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tcaatatgat gcagagactc tcttctacca ctact 95

<210> 44990
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<213> Glycine max

<223> Clone ID: 701041814H1

<400> 44990

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tcagtatata cttgaaacca gtgtctatcc aagagagcac gagtgttga aagagatacg 180
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<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701041815H1

<400> 44991

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tgtccggtta cgctgctgga atcgcgaaag gcgttgctcc gaaagccaga ttggctgctt 180
acaaagtttg ctggaaaaat tccggttgct tcgactctga catcctcgcc gcctttgacg 240
ccgccgtgaa cgacggggtg gatgtgatgt cgatctccat cgggtg 285

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<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701041816H1

<400> 44992

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 cgataagatt catggcgagg tgttgaaaat gtcccagac ttccatgcct atacattgct 180
 tgaaccactt ggtgttggtg gacacattac tccctggaat ttccccaata ccatgttcta 240
 catcaagggt gtccttctt tagctgctgg ctgc 274

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 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041817H1

<400> 44993

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 ttctgttttt caggctatac gcagtatgtc atctgctacc aagcaaaagc tgtttatcgg 180
 aggtgtataa tattctactg acgagcaagt ttggaggga gctttttcaa aatatggtga 240
 agttgtggat gctagg 256

<210> 44994
 <211> 143
 <212> DNA
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<223> Clone ID: 701041818H1

<400> 44994

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 gaagaagcag gaactcgatg ccg 143

<210> 44995
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041819H1

<400> 44995

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ctcgggacgc gaat 134

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<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041820H1

<400> 44996

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gtgccattac aataggtggc agaggtgttg ccctggacag aggagcccca agtatgagaa 120
aacttatgat cagtgccttc agctcttcac ttctctcaga caaagtggag ttcttgttca 180
tcaatggttt taattaactt tgtagaattg cctgatggat gatgggtcaa accctatatg 240
catgttctga gcttctgcat gtttct 266

<210> 44997

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701041821H1

<400> 44997

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tgaatatgta agagagaatg agattaagga tgcattggctt gataatgttg aagttgatcc 180
aaaatatgct gcattaagct ctgtagcaac aaatgatgaa gatgagggcc cccagacct 240
ttcttctaaa gatattggaa tcatgacgag gcgcattgca a 281

<210> 44998

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701041822H1

<400> 44998

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 agacaatcgt catcagttgc agctgcaaag gaatgaggta attgcattga cgaaccttct 180
 caatcgactc tcggaatcct tcaaattcgt ccacgaagtg gacctacagt tgaaagaatc 240
 atggaaggag gacatttttc tgctcataca agaactgatt 280

<210> 44999

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701041823H1

<400> 44999

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 cagccaggaa gttgtctgag tcagaccccc aattgcagtt ccaataccac agaggccctc 180
 tcctcacagg caaaatctcc gtaaacctaa tttggtacgg taagttcaaa cttctcaga 240
 aagccattgt tgctgatttc atcacctctc tctcctcttc 280

<210> 45000

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041824H1

<400> 45000

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 gtttttggga ttgagattat gggttttgat tgggataggt gttggtgttt ttatagtgtt 180
 gattctttgt gtattatctg tatgggtgat gtttcggaga aagtctaaaa gatctctgga 240
 caagtactct ttgtcacaaa tacacatgtc tcagagg 277

<210> 45001
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041793H1

 <400> 45001

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcactg tcttaaccgt tat 263

<210> 45002
 <211> 138
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041826H1

 <400> 45002

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 gtggcggtgg aggaagag 138

<210> 45003
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041827H1

 <400> 45003

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 accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt ggagtgaagc 120
 atgcggcgga gggcgaccg gaggagaatt gctccgcaa gccaccaag cagggcgagg 180
 gcctccgcca ctactattct cacaagatcc aggagcatcg ctctt 226

<210> 45004
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 <212> DNA
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<223> Clone ID: 701041757H1

<400> 45004

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 gcatgtgaag tgaattactg caatgcttcc ttttctccac ggtgagcatg aataacaaca 120
 attgctgggt cttgtaatta ttattattgc aattccattt tgtgacttcc ctgttgcttg 180
 ttaattagtg tgaccagat ggtgttttga gtatttgttt ggagattcat tcagtatttt 240
 gagagatttg tatgataaat atggataact 269

<210> 45005
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041759H1

<400> 45005

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 aactctcttt cagtttcaag ttggaaactt tttcgatttt cgctttctgg aggtgtgaat 120
 tgttgtttga aagtcacaag caatggtgaa ggacactgcg tattatgaca tattaggtgt 180
 caattatgat gcatctgctg cagagatcaa gaaagcttat tatgtcaagg ctagaattgt 240
 tcaccccgat aaaaatcctg aggat 265

<210> 45006
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041760H1

<400> 45006

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gagattatcg taccattag attcttcttc cctcttcttc ctacactttc ccaaattctc 180
 aactattgg cggttctaga gcacaattta gtttatctac tcaactgttac tgcgattttt 240
 gtcctaccct tttcactatt ttagctat 268

<210> 45007
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041762H1
 <400> 45007

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 aagtcacaa atgcaaagct gcggtttcat gggaggcagg gaagccactt gtgattgaag 120
 aagtagaggt ggcaccacca caagctggtg aagtgcgttt gaagatcctc tacacctctc 180
 tttgccacac tgatgtttac ttctgggaag ccaagggcca aactccattg tttcctcgta 240
 tatttgggtca tgaagctgga gggattgtgg 270

<210> 45008
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041764H1
 <400> 45008

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 aaaggggaga gggggtgagt gagaaaaaga gaggaggtt tctagcttct actgttgagt 120
 aaacatgact atggaagagg gcagggtaga gaacgaggac tacacacaag atggaactgt 180
 gaacattaaa gggaaacctt ttcttagatc caaaagtggg ggttggaag cttgctcctt 240
 tggtgttgta tatgaggtat tcgaaag 267

<210> 45009
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041765H1

<400> 45009

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gacgatctca gattccgggtc actcctctcg ccggcgatcc cttattcctc cgtcctccgt 120

cgagtccttt ccgattcgaa tcgttcccag cttgtgcca ccatgaatcc cgaatacgat 180

tatttggtca agcttttgct gattggagat tctcgtgtag gcaagtcag tcttctcctg 240

aggtttgctg tccaaatgta ttgacgtatt a 271

<210> 45010

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041766H1

<400> 45010

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agctgctgag gtgcttgagt tggctgggaa tgctgcacgt gacaacaaga agaacaggat 120

tattccgaga catgtgctgt tggctgtaag gaacgatgag gagttgggga aattgcttgc 180

tgacgtcacc attgctcatg gtggtgttct tccaaacatt aaccctgttt tgctacctaa 240

gaagactcag gttgctaagg aacaaaaa 268

<210> 45011

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041767H1

<400> 45011

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cagtagcaat ggcggagaca tagtggttta ctggggccaa gacgacagcg agggcacatt 120

gagcgaaaca tgcaactctg gactatacaa aatagtgaac ataggctttc tggcaaaatt 180

tggcgggtggg cggaaccag aaataaacct agcaggacac tgcgaccctg catcaaacgg 240

ttgcaaaagt ttgagcaaag acataaa 267

<210> 45012

<211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041768H1

<400> 45012

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 cgcttctctc aatcccgatc tccgatcctt cttcctcggc tacctccgctc tctcactccg 180
 tcctcgtctt cccaagagac ttcagatagc ggctgctggg agtatctatg gaaatcactt 240
 tcgtgtttca acatatggag aatcacat 268

<210> 45013
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041769H1

<400> 45013

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 tcttaccaag cgggtttttg gaaaggacaa aggagaaagg tttggttgtg gcttcatggg 180
 cacctcaggt tcaggtcctt ggtcacaatt cagttggggg gtttctaagg cattgtggtt 240
 ggaactcaac attggagagt gtgca 265

<210> 45014
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041770H1

<400> 45014

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 tgctctgtg gtccgtctcc ttgtcctcaa gtttgtgcta agcatgtctg ccagtaagga 180

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gactgttaag tggcgtggaa agcctgtg 268

<210> 45015
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041773H1

<400> 45015

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tccactacca ctggtcacct gatttacaag cttggaggca ttgacaagcg tgttattgag 180
aggtttgaga aggaagctgc tgagatgaac aagaggctct tcaagtatgc ctgggtgctg 240
gacaaactta aggctgagcg tgaaa 265

<210> 45016
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041774H1

<400> 45016

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aggggtctcc tgaatatgat gcgttggtga agaaccctga gaaggagttt ttgaagacta 120
ttactggcaa gaaggagacc ctcatcgacc ttacagttat agaaatcttg tcaaggcacg 180
catctgatga gttctacctt gggcagagag atggtggtga ctactggact tctgatgccg 240
gtccattaga ggcatttaag aggtt 265

<210> 45017
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701041776H1

<400> 45017

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ccttaaattgt gtggttgact taggcatacc agatatcata cacaactatg gccaaacccat 180
gccactctca aacctcattg cttcactacc aatccaccca tccaaaactt gcttcgtcca 240
tcgcttgatg cgaatcatga tccatt 266

<210> 45018
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041777H1

<400> 45018

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ttatggacat ggcttccagt ccccgaccg tagaagagat cttcaaggat tacagcgcca 180
gaagaacctc tgttattcgc gctctcactc acgacgttga tgaattttac ggctctctgtg 240
atccagataa ggataacctg tgctctatg g 271

<210> 45019
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701041779H1

<400> 45019

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catcatctca gctctggaac caattgcagg aacgaatctc caagcattcc ttcgacacac 120
ctctctacac attcaacatt cccaacctcc gcgtcggaac cctagactct ctctctccc 180
tcagcgatga cctcgccaag tccaacaatt tcgtcgaagg agtcacgcac aagatcaggc 240
gccagattga ggagctcgag agagtttccg 270

<210> 45020
<211> 267
<212> DNA

0953443-032200

<213> Glycine max

<223> Clone ID: 701041782H1

<400> 45020

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gaatcaagac tctacttcgt gttccaatca gaggatatag atagagaatt atgagtcgat 180
tgaacaaaaa taaaagtatt tgtagtgatg gtagtgccag taatgaatct tcttcaagt 240
gaataactgg agaaaggat gatcatc 267

<210> 45021

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041783H1

<400> 45021

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cacctctcat caattaccaa caattccagg aggtttatgc cgtgccactt cagctggatc 180
agatcttcag cattacacgt gggtcgtctt agagtgcacg gtgaagggag atgggaagtt 240
gattctcaca ggtcagaggt taa 263

<210> 45022

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041785H1

<400> 45022

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attgcaatgt cattttacaa cattgggtcaa aatccgtaaa aaaataaagt tctggaggtg 120
tttgggggttg ggaaaggaga ggaatgatac gatgttctta taattgcagc tttgttagtt 180
tcctgttctc tttaagcctc aataattgat agttttatct ttagtaagct cttaggaaga 240

actttttaaaa gggaagtaga agttca

266

<210> 45023
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041786H1

<400> 45023

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 gcaccaagaa ctgcgacttc caaatggaac gttacatctt caagcgccgc aacgacggga 120
 ttacattat taaccttggg aagacgtggg agaagcttca gctagcagct agggttatag 180
 ttgcaattga gaacccccag gatatcattg ttcaatctgc aaggccttat gggcaaagag 240
 cggttctgaa gtttgctcag tac 263

<210> 45024
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041788H1

<400> 45024

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 gacccttggc taacttcgtt ttgatgtatt ttttcaaac aaattaacct cagtttggtt 120
 tgacaggctg cagaattact aaatcatccg catcttcagc cttacattca taaaattcac 180
 ctaaaattaa atagccccat aagaagtact tttccattcc aatggccaga gtcaaattac 240
 ataaggagaa ctcagtttgt agagcc 266

<210> 45025
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041790H1

<400> 45025

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gttcgcaaga acggaacctg cccatggctg aggcctgatg ggaagacca agtgactgtg 120
 gagtattaca atgataatgg tgccagggtt ccagttcgtg ttcacaccgt gctaactctcc 180
 acccagcatg atgagactgt caccaacgac gaaattgcgg ctgacctcaa ggagcatgtg 240
 atcaagcctg tgatcccgga ga 262

<210> 45026
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041791H1
 <400> 45026

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 gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaacccaac acagttgact 180
 tcttgtcttc cggcaattaa ttcaggttct gcaccttcga gtgcttggtg ccagaagctg 240
 aaggagcaaa agccatgctt ct 262

<210> 45027
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041756H1
 <400> 45027

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 agccaccgga aaggcgactc agcggggaat ttgccgttcg agtcagacga agacgtcgac 120
 gaagaagaag aagaagcgcg gaacgttggga ataggaggag gagacgagga ggagcagatt 180
 ccggtggcgc tgccggtcac ggacttcgac atcgatcatg acgcactgcc gtcggggacg 240
 atcaacgacc tgcacgagat cacgaagc 268

<210> 45028
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041729H1

<400> 45028

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 tgtccatgga tggatgatgaa ccaccatcaa gatatgtagt taatggaaat agctttggat 120
 ctaaagattc ttctgtacag tttccaatac ccatcattga tgtgcgtctc ctctcatcag 180
 aagatgagct agagaagctt agatctgctc taagttcagc tggatgcttc caggcaattg 240
 gtcatgcaat gtcaagttca tatcttga 268

<210> 45029

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701041730H1

<400> 45029

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 accccagaag atcgaacaag gatctccaca aagacaaacc ccagttctca actgtgtttt 180
 acctctctct cacctacatt cagaccatac ccagggtttt tgctttttct ttttaaatta 240
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<210> 45030

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041731H1

<400> 45030

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 ctcagaaaaa aagtttctaa gttaaggcaa tccagacaca caaacatcga cggaacacgt 120
 tcagctacat gcatagacat cttccttgct atcattcttc ctctcttgg agtgcttctc 180
 aaatatgget gccagggtgga gttctggatt tggttggtgc tgaccctttt tggttatata 240
 cctggaatta tctatgctgt ctatgctatc accaagtg 278

<210> 45031
 <211> 99
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041732H1

<400> 45031

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ggcaagtaca accgcagcgt ctcccacgtg aacgacgag 99

<210> 45032
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041733H1

<400> 45032

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tcatcagcag cagcagcagc attatcttcc atctacaagt tcagaaatgg agaccatgtt 120

atccaaattg ctaccatcca acaatggatg gagcaattca gaagctttgc aagaatttgg 180

aggcaagcct gtgaagcagg aaatagggga atctattcca caagagccag cacaacagaa 240

tggttatcct tatggtggc 259

<210> 45033
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041735H1

<400> 45033

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acgttcaggt ttcaccagta ccaggtgggt gggagggctc ttcccacgga agcagatcag 120

cacccaaga tctaccgaat gaagctctgg gccaccaacg aggttcgcgc caagtccaag 180

ttctggtatt ttctgaggaa actgaaaaag gtgaagaaga gcaatggcca agtgcttgcc 240

atcaacgaga tttttgagaa gaaccaacc aa 272

<210> 45034
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041736H1

<400> 45034

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 acatgggcct ttgatcacat caaatatttc aatggtggtt ctgacattca gttcatctt 180
 gacaagtaca ctggtactgg cttccagtcc aaagggtctt acttgtttgg tcacttcagc 240
 atgtacataa agatggttcc tggagattca 270

<210> 45035
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041737H1

<400> 45035

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 aaagtggatga tcctaggagg tgggtgttgc ggtgcccaacc ttgcaaaaac tataacaacat 120
 caagccaacg tcacccttat tgatccgaag gaatattttg agattccatg ggcaagtttg 180
 aggggattgg ttgagccaac ttttgctgaa aggatagtaa tcaaccatag agagtacttc 240
 aaaaagggtg accttggtgt atccagtgc gtc 273

<210> 45036
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041738H1

<400> 45036

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 gcaccaccat accaacaaca tcatcgcggc gccatcacca ccgtaccaac aacatcatcg 120

0053113.032200

cgcgatccaa gcaacactca caccaacaga tctatgcgcc acaacaccac cgcgcaacgg 180
agaagtcgcg cgcgcgagg aagcctcaaa gattgattcg cgcacacaga tggaggtgca 240
atgatggtgt gacggcgggc cggtggtggc tggtc 275

<210> 45037
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041740H1

<400> 45037

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ctctctagat ttcatttagt tgttgctgtc ttcttctgtt tgtgtgtgcc aacacagagc 120
gaaaaacatg gctctgaacc aatcaaaagc cgtgttggtg aggggtgagtt tgggtggtgg 180
ggcgctcttc atagcagggt acatagtggg tccccctctc tactggcatt tcgttgaagg 240
tttggtgctgcg gtcaaccact cttcttctac tt 272

<210> 45038
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041742H1

<400> 45038

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gttgcgcttg gagtcgtat cctctggact ccacccctcc gcttcacaat ccggcgggcg 120
ccacgcttcc cgatgcggcg ctgatccct ccgtcgtcgc cttcgccgat ctgatcgacc 180
agtacgtcgg tagggtttcc ggcgctgcag aggttatcgg cggacaggtc ttgggtgtca 240
ccaaactggt gcaggaagct ttcaatgttc aga 273

<210> 45039
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041743H1

<400> 45039

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tgttttggca ggaaggtggt atggcgaagg acgttgaggt tgctgagcgt ggctccttct 120

ctgggaagga ctaccaggac cctccaccag caccactcat tgatgctgag gagctcacia 180

agtggtcctt ttacagggct ctcatgtctg aattcattgc cactttgctc ttcctctaca 240

ttactgtgct cacagtcata ggttacaag 269

<210> 45040

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041744H1

<400> 45040

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cttttgttcc tatctctggt tttgagggag acaacatgat tgacagggtcc acaaaccttg 120

actggtacaa gggccaact ctgcttgatg cacttgacca gattagtctg cccaagaggc 180

cctctgacaa gccccttagg ctcccccttc aggatgtgta caagattgga ggtattggaa 240

ctgtgccagt gggacgtgtt gagaccggtg t 271

<210> 45041

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701041745H1

<400> 45041

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tcgttaagac actcactggt aagacaatca cccttgaggt ggagagttca gataccatag 120

ataatgtaaa gtccaagatt caagacaagg aagggatccc accagaccag caacgtctca 180

tttttgctgg caagcagctt gaggatggac gtacacttgc tgattacaac atccaaaagg 240

agtccactct tcacttggtg ctccggtccc gt 272

<210> 45042

<211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041746H1

<400> 45042

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 ctctcccggc ggcgctgagt ggtgatcaag gaaatgggtc agacgctgag ttgcgtgcaa 120
 cagcacgagg accatgggtgt gctcttccct gcacttgcaa gtggagaatt ggaggttgtt 180
 gaggccatgg tggaggaaga cccactgtg ttggaacaca ccattggctg tgacaggctt 240
 tctcctctgc atgtcgtctgc tgccaatggt cg 272

<210> 45043
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041747H1

<400> 45043

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 gaagctgtgg ttgttccaga tcccaccag atcgatgtca agctctttaa ccgctggagc 120
 ttgcagcata ttgagtggcg acatccaagc acgccacgta tgtgcctcac accgccggca 180
 gtcaactcggg gaagcgggtc aggaaggcgc aatgccccat tggtgagagg ctgaccaact 240
 ctctcatgat gcacggtaga aacaatggca aga 273

<210> 45044
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041748H1

<400> 45044

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 tccatccccg aacgggttca gctgcatgcg gccatgttgg cctgcagtt tggctatcct 120
 ggctttcatg tggctctcaag agctgccctt aacatgggca ttagcaaact tgttttccca 180

gtctaccgca acattattgc ttttctcctc ctcttctcctt ttgcctactt cttggaaaag 240
aaggagagac ctgccattac tttaaacttc ctct 274

<210> 45045
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041749H1

<400> 45045

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ttgttcctta aattttgcaa agagagcgag agcaatagag tccaacaaag aagtgccagt 120
ggaagtgaag aagcaaaaag agaagaagat tatggagcta gaggaagaca tcaaggaagc 180
cgaaaaacag agccagaatt taagggaaca aatacagcag attgagttga agttaaatga 240
gagtaaaaag ctcttattta ccacatatag t 271

<210> 45046
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041751H1

<400> 45046

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gttgagaaag agagagatgg gaagagaaaa ggagacaaca aaggtagctt acacagtgga 120
gcagcttgta gccttcaatc catacaatcc cgatattctt ccagatctcg aaaactatgt 180
caacgaccag gtttcgtcgc aaacttacag cctggacgag aatctctgcc ttcttcgcct 240
ctaccagttt gaaccagaga aaatgagtt 269

<210> 45047
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041752H1

<400> 45047

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 tgtgtcgctg ggagcgaaca agttcccga gagacagccg attgggacgg cggcgagag 120
 ccaagacgac ggcaaggact accaggagcc ggcgccggcg cactgggtg acccgacgga 180
 gtttacgtca tggctctttt acagagcagg gatagcagag tttgtggcca cttttctgtt 240
 tctatacatc actgtcttaa ccgtcatggg a 271

<210> 45048
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041753H1

<400> 45048

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 ctagaaaaaa tgaggaggga aagcaaaaaca gcaacactac agctagttaga tatggagtgt 120
 ggctatttga cggttgatta ctttcggaag cttcctcaag atgttgataa ggggtggcaat 180
 gctacacatt caatttttga tagatataat gattcatatc ttaggagaat tggaaccaat 240
 gttctgtctt atgtcaatat ggtctgtgc 269

<210> 45049
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041754H1

<400> 45049

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 tgggaagaag gatatgcaag aatctgttaa tcagaatctt gattttgtcc ttggctcagc 120
 tccaatatgg gataggggtg agcttaaagg caacaagtat gtattggggg agttcctgga 180
 atttaagggc aaacaagaag atgttgaggc ttttaagacct attagaagat caaaagttag 240
 tcgtatgata atccaaaaga caagcatgt 269

<210> 45050
 <211> 254
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041755H1

<400> 45050

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 gccactgcaa ccccgccctc ccttctccgt caatgcaaaa ttcggcgctg attctcgccg 120
 gaaccttctc ccgctcttcc ttccccctcg ggctttgact tttgctttct tgcgattgcg 180
 atgagtcctt ttcgcccttt gttgctcttc gccgccgat tctatctcct ccgaaccctc 240
 gccgccaccg acgg 254

<210> 45051

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041728H1

<400> 45051

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 ttatccagct actatttcag ttccattttg ttcacaaat ctttggagag tgccttggcc 120
 aaccacctct ccacaaattt gagcagcttg agccttcaa gcagcaccct ttttgacctt 180
 ttcatgggtg ttttggttga tgatggagat gatgacatcg taggtgctgt gaaggatgat 240
 ttgatagctg ttaaggagag ggaccctgct tgc 273

<210> 45052

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041701H1

<400> 45052

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 ataaagctag ggatggatcc aaaagaggca atatcaaaag tgagcacact gtctgatgtt 120
 gaagggttat gcgtatcatt tgctggtatt tataactcat ctgatcctgt acttgctgta 180
 aaggaatatt tgaaggaaga accatataca gctgaagaaa ttgaagcagt tacaggggaa 240

aactgacttc attttgaaca taatgcagtt atttag

276

<210> 45053
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701041702H1

<400> 45053

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gcctgattct cgttttggat ctgctgggta tggatctaga atgggttctt tcgatagcaa 120
atttaatggc acaggggatg gctgcggttt aaaaaaagc atggatgggt tcagcgagct 180
aaataaggga cccagagctg ccaagagttc tgataataaa aatatcaaaa gtcttggacc 240
tgtcacatta ttactcaaag gacagaacct tccagtga 279

<210> 45054
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041703H1

<400> 45054

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acaacgatgg tgctgccgct atttactgct ttcattctct ttgcttttat tccgaatgga 120
ttgttagcag ttcttccac cgtcccggca ttcctttgggt catcacatta tgaactggcc 180
tctgaaaata tattgaagga atctgtaaat taccaagtca tttctccgaa gatctagcaa 240
aatctatttt atctgaagca ggctgggtcaa attttct 277

<210> 45055
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041704H1

<400> 45055

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atttcctgct tgcgctcttc aactcaaacc gactacaagg cgcgctcgata ctgttctttt 120
 ccgcaacgcc cagccccacg cccacgcca cgcgcttcac gtttcttttg cggatcccct 180
 ttcgctccaa atgccatcca ttctccttct ctgtctgtca cgaatgacgc actgactgtt 240
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<210> 45056
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041706H1
 <400> 45056

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 agtgccttaa ttgtcggaag attgagaaag gtcaatggct atatgctaata ggttgtcggg 120
 catatcctga atttagcatg gatgagtggc ctcacgatga ggacctttat gatcttagct 180
 actctgagat gtccttttga gttcattggg gcccttttgg caacctggca cgacttccat 240
 catcctttga ggaaggggag ttttcgtcat ctgcat 276

<210> 45057
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041707H1
 <400> 45057

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 cactttgggc gtgtttcggt tcattctttt ctccgagaaa gatccacccc acgtttcaaa 120
 atcacttttt ttctctgctt tgggaaatga tgccattggt gtccttgcg aaccaaacc 180
 catcaccacc atcatcatgt aggagcgact caacaactcg agtctcgcgt tcctcttct 240
 cccctctgg gcacgtgaga attctccgat tctga 275

<210> 45058
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041708H1

<400> 45058

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gctttcttca taaaattttg caatcggttt gacaactgaa tttgcatttg gtaatcaa 120
taataattga caaaaaagaa gaagaaaaaa aggggtggga ggcataagcca gatattgaac 180
ctgccctctg ttcttaatct cattgtgcct cccctcagat ctcgcttca atcgagtg 240
tttgcttca ttgattcact gcttgatgat tgttga 276

<210> 45059

<211> 275

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701041709H1

<400> 45059

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ttacaaaact aaaggcggcg ccggtgtcgc gcacggaagt ttagagtccg gcatgacggc 120
ggtgaagctg ctggatttga tgccggtgat gcgaactccg atgaggacgc ggcggagatg 180
gcgccggagg agatgaatcc gaagctgttt ggtgtggcga ttggagcgaa atgncgagag 240
agggaggagg tgggtggagat tgtggaggtg gagga 275

<210> 45060

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041710H1

<400> 45060

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cactttagca caggatcaat atggaaatta tgttattcag catattgtgg agaattggtaa 120
accacatgaa cggactgcta ttatcagcaa gtctgccggg cagattgtta agatgagcca 180
gcaaaagttt gcttcaaag ttatcgagaa gtgtttggct tttggtagtc ctgaagaacg 240
tcagattttg gtgaatgaaa tgcttggtag ttctgat 277

<210> 45061
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041711H1

<400> 45061

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 gttaaattag ccttaggtgt ggggaagtcg ttgaaatctc ttggtgtggc agcttgtgcc 180
 aagataactg atatctcaat ggaggctgta gggtcacatt ggaggtccct tgagaccttg 240
 tcgttcgact ctgagtgcac ccacaa 266

<210> 45062
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041713H1

<400> 45062

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 tcaatatgat gcagagactc ttttctacca ctactactac cccccctcgc tctgccttgc 120
 tgcgctacgg tggcggcgca cttcgccggg acgtgcttgc tcccatttcc ttttctcact 180
 taacagctaa gtcacagggtg ggtgaaagtg acaccaaagc agctagatgg ttttctatta 240
 tgagctctga tagatccaca tttgattcct c 271

<210> 45063
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041714H1

<400> 45063

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tcagtatata cttgaaacca gtgtctatcc aagagagcac gaggcttga aagagatacg 180
 caagatgact gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact 240
 tctgagcatg cttgttaagc tcacgaattc acagaacgc 279

<210> 45064
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041715H1
 <400> 45064

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 tgtccggtta cgctgctgga atcgcgaaag gcgttgctcc gaaagccaga ttggctgctt 180
 acaaagtttg ctggaaaaat tccggttgct tcgactctga catcctcgcc gcctttgacg 240
 ccgccgtgaa cgacgggggtg gatgtgattt cgatctccat c 281

<210> 45065
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041716H1
 <400> 45065

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 gtgtaggaat ttggaagttc cagcagcagc aaacactctt cgttactatg caggtgctgc 120
 cgataagatt catggcgagg tggtgaaaat gtcccgagac ttccatgcct atacattgct 180
 tgaaccactt ggtgttggtg gacacattac tccctggaat ttccccaata ccatgttcta 240
 catcaagggtt gctccttctt tagctgctgg ctgcaccatg g 281

<210> 45066
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041717H1

<400> 45066

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tggaatttta ttaagacaga cagcaagcag gcaggtagt tcagaattgc gatcatcccc 120

ttcgtttttt caggctatac gcagtatgtc atctgctcca agcacaaagc tgtttatcgg 180

aggtgtttca tattctactg acgagcaaag tttgaggga gctttttcaa aatatgggtga 240

agttgttgat gctaggataa ttatggatcg tgaaactggt 280

<210> 45067

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041718H1

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ggcgttgggt ccggaatcgg tggatgaagaa ggagaagagg aacgaggagt gggcttttga 120

gaagaagcag gaactcgatg ccgcaaagaa aaagagggtc gaaacgcgga agctgatttt 180

taacagagcc aaacagtact caaaggaata cgacgagcag caaaaggagt tgattaggtt 240

gaagcgtgaa gccaaagctta agggagggtt ttatggtt 277

<210> 45068

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041719H1

<400> 45068

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tcttactaca ctcacccccca atttcccgag cctcagcttc gggacacccg aacctcatta 120

ctcgggacgc gaataaaagc cacactggga ttcacactcc caagttccaa ccctactctc 180

acacactgca acaacgaaaa ccaaagaaga aaaaagagtt tcttctttcc gaaatccaag 240

cagtaggggtt aggggtttttt ccgatctcaa tggcgga 277

<210> 45069
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041720H1

<400> 45069

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 gtgccattac aataggtggc agaggtgttg ccctggacag aggagcccca agtatgagaa 120
 aacttatgat cagtgtttgc agctcttcac ttctctcaga caaagtggag ttcttgttca 180
 tcaatggttt taattaactt tgtagaattg cctgatggat gatgggtcaa accctatatg 240
 catgttctta gcttctgcat gtttcttctt tttta 274

<210> 45070
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041722H1

<400> 45070

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 ttggtcacca tttgaaggaa gagaatgtga aagagtgagg tcagagttgc ctgtagacga 120
 agacaatcgt catcagttgc agctgcaaag gaatgaggtta attgcattga cgaaccttct 180
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 catggaagga ggacattttt ctgctcatatc aaga 274

<210> 45071
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041724H1

<400> 45071

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 gtttttggga ttgagattat gggttttgat tgggataggt gttggtgttt ttatagttgt 180

gattctttgt gtattatctg tatgggtgat gtttcggaga aagtctaaaa gatctctgga 240
 caagtactct ttgtcacaaa taccacatgt ctc 273

<210> 45072
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041726H1

<400> 45072

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 gtggcggtgg aggaagagga ggagacaggg gtacgccgtt caaagctaga ggcgggtggcc 180
 gtggtgggcg cggaggaggc aggggtgggt gccgtggcgg cggcagaggt ggaatgaatg 240
 gaggtagcaa gggtctgggt cagc 264

<210> 45073
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041727H1

<400> 45073

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 atgcggcgga gggcgcaccg gaggagaatt gctccgcaa gcccaccaag cagggcgagg 180
 gcctccgcca ctactattct cacaacatcc acgagcatca gtccttctc cgtcaaaaga 240
 cgcataacct caaccgtctt gaggtcaga gaaacg 276

<210> 45074
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041696H1

<400> 45074

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 tattatactc ttccatctcc ataacatcca cttgtgaaaa aaaccatta atatatatca 120
 cacacacatg tatctctgag ctccaatcca atccaagacc acaccttgtc gcgtcggacg 180
 aaccttggtg tct 193

<210> 45075
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041663H1

<400> 45075

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 tcatcagagc tgcttgata tacagatgct tcctcctggt gaatggcatt gtccaaattg 120
 cacctgtaaa ttttgtggca tagccagtgg aacttctgat aaagatgatg catctgtgaa 180
 tatectacag acttgcatct tatgtgagaa aaaatatcac aactcttgca ctaaggagat 240
 gaataccctt cctaataaaa tca 263

<210> 45076
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041665H1

<400> 45076

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 ggctaaagat gttgaggttc aagagcaagg aggagagtac tctgcaaag actaccatga 120
 ccctcctcca gcacctttgt tcgaccaga ggagctcaca cagtggctct tctatagagc 180
 cctcatcgct gagttcatag caacccttct ctccctttat gtcactgtgc tca 233

<210> 45077
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041667H1

<400> 45077

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tttgtgtacc tatcccaatc cgtttctttt caatcttctc ttcgacccca tttcctagat 120
ctgcttggtt cttccatcat caactaatca tgggtcttca cagagaactc gatcatctct 180
tttcatcccc tttcgttgac cctcccaaag atgatgcgaa atccagtggc atgtcaattg 240
aaaagaagat tgagttcctc gagagt 266

<210> 45078

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041668H1

<400> 45078

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gtattgttcc ttggttggtt cagcataact catgtcctgt tcgccgtggt gagctgccac 120
ctcaaggaca ggctagtctc cgtgggtactc gaagttgggg aggaaggaat gccagcaaca 180
gcagcagcag tggcagcaat gatagctcca ggggcagaga gaacagccat cagaacctg 240
gaaggagaaa tccattttca tttttg 266

<210> 45079

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 701041669H1

<400> 45079

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caaattgagt gatcgtgatg gc 82

<210> 45080

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041672H1

<400> 45080

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ttttgttttc atttaggtca ctaatccgat atcatgaagc tcgatacgac tagtctcgaa 120

tcgtttccca cactgattgc acctcaaaac gacgtcgccg gagaactctc cgccgctccg 180

ttctttgacc ttccgaattc caatgacttc gatgggttct tgaaagacgc tattcagatg 240

gtgaagcccg cgaagggtac t 261

<210> 45081

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701041673H1

<400> 45081

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ttgaacttgc acttggttta ttggttttgg ctctgtttct gcacttgcgt cccacacca 120

ctgcaaaatc aaaagcactt cgccatctcc caaaccacc aagcccaaag cctcgtctac 180

cccttcatag gacacettca tctcttaaaa gacaaacttc tccactacgc actcatcgac 240

ctctccaaaa aacatggtcc ct 262

<210> 45082

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 701041674H1

<400> 45082

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aagcaaactg ctcgtaagtc 80

<210> 45083

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 701041676H1

[illegible]

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<212>	DNA
<213>	Glycine max

<400> 45084

<210>	45085
<211>	257
<212>	DNA
<213>	Glycine max

<400> 45085

<210>	45086
<211>	261
<212>	DNA
<213>	Glycine max

<400> 45086

18035

002220.13.032200

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ttggcgtggt tataatgaaa tgctacttac tgatcagaat attttaatta ccaaattggag 180
ttctgttttc gccacctgct ttttcttatt ttcttccctt tcaaaatatt gtagtattct 240
gactttgggt tatcttcaaa a 261

<210> 45087
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701041681H1

<400> 45087

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tccattccaa gttcaatct tttctctctt ctgccctctg cacctccctt cacacccttc 120
ctcattcgca ggaggtgaag atgtcgacct cggaaggaa gagactgatg agggatttta 180
aaagattgca acaagatcct cctgctggca tcagtggggc tcccccaagac aataattatg 240
ctttggaatg ctgttatctt tggacc 266

<210> 45088
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041682H1

<400> 45088

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gagaagcaag gatgcaagaa aaggaaaaga ggaaaaaat taaggaaaat agggctctcca 120
aaaaggattc agcaaggaac caaagtcaat caaattcaca cattacaagg ccacaatatc 180
aacctcaaga aacaaatgta cccattaatc cagaaaagcc agaatttcca tctcgaaatt 240
caggtttatc tgccaacata aggaaag 267

<210> 45089
<211> 237
<212> DNA
<213> Glycine max

0053113.032200

<223> unsure at all n locations
<223> Clone ID: 701041683H1

<400> 45089

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tacactgtgg ctagaactac atgttctgtg gttcccttca tgctttgcac tgtggctggc 120
tcctgttctg tcaattttca ctctctgggg gttcagtttg agttagctct agataaagac 180
atggattctc agaggtttct catttgacaa naattgtctt gtatttcttt gagggaa 237

<210> 45090
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041684H1

<400> 45090

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acttctcctt ccagcacttg aactatggaa caacaacaaa catgtccctc tctgcaaacc 120
ccaacgcctc tctttgtttt gttccagcct ccacttcttc agaccttaat aacaattcca 180
ccataacctc ctccatgctc ctttcaattt tcccaacaca acacgtgaag ctccaatcta 240
ataacaacaa cccttccatt tcata 265

<210> 45091
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701041685H1

<400> 45091

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ttcagaagac acacaaggac cctaccattg aggagattaa gagcttgctc tgtctgaaac 180
agcaacaacc cgggtgggtt cttctcagca aagggtcgaa cgtgaagttg ttggggagt 240
gggaccaat gctggcaact g 261

<210> 45092
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041687H1

<400> 45092

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 agagtatcat tgcatttcct cttgggttag ctcttcttgt tgccttggtta ttgttctttt 120
 gttgcttctt ttgttgctgc ttgcaactggg aaaaactcca acctttgttt ccattttgta 180
 tggttatcgt cgatactcag cctctgacac aagcagactt cactccccct cctcacaagc 240
 caggctttcc tgtcttga 258

<210> 45093
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041688H1

<400> 45093

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 aatacattat tattatatgt gtgtggaaaa aagaaccggt ttttttttca gtgaaagcga 180
 ccacctttat attatccttt tgatcagagt gtaaaatggg gatgtgattt tacaagggtc 240
 ttgcatgccc ctttgag 257

<210> 45094
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041689H1

<400> 45094

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 ttgaaatggg gtgcatgcaa gcgctgcaaa gtggttcaac ctcttcagca acgcaactcc 120

atcatgttca aaaccttacc gaaagagtgc atgaaaccaa gctacatcat ggtgatgact 180
 ggcatcacia cgaatcgatc aaacactgga cttgtaccat agatggtaag gttacaatat 240
 atcacgagag tat 253

<210> 45095
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041691H1

<400> 45095

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 tattcacaag tgagacattt cctaagctcc acaattggag ccaagaattt ttgaaccatc 180
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 atgaaatcct tttt 254

<210> 45096
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041692H1

<400> 45096

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 aggaagtttg gctacttact acgatattga tattcaacgc caatgggttg attccagagt 180
 gaccataagc ccgggaacaa gtgcaatggt aattctaata gttttccggt tccggatcgt 240
 catgtacgac ttat 254

<210> 45097
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041693H1

<400> 45097

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 gcagaaaagc gttgctcaca cttcctctca ctgtctctgt cattcctcaa gtgatattgg 180
 catatagcag ggatacccaa ttcttctacg cgtactatgt ggtgaaaact ctggctgcc 240
 tggcaggcga aggg 254

<210> 45098

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701041694H1

<400> 45098

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 tgagttgagt gatcatgtgt ggtggtgcga ttatctccga cttcataccg gcagggtccc 120
 ccagcggggc gcggcgctg accgccgaca tcctgtggcc gagtttgagg aagcgcttct 180
 cgaagccgct gctggacgat gatttcgagg ctgggttcag agaattcaag gatgattcgg 240
 aaatcgagga tgttgat 257

<210> 45099

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701041695H1

<400> 45099

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 tttgattgag atcgatattt ctccgtcgag gtacagagaa ctttccggcg acgacgaggt 180
 gttttccggt gagatcagct acaactaatg tgacattaat tcgagattga cgtagtggat 240
 tattgtgttt tttgaggt 258

<210> 45100

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041662H1

<400> 45100

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 ctgatttga tgagactgct tcctctgttt ctgaggacgg ccctggcatt gagaattttc 180
 aagtttctgg tgatgctatt cctggagaaa agcttcttgg atgtggatat ccagtccgtg 240
 gaacttctct ttgtatgttt 260

<210> 45101
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041613H1

<400> 45101

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 taagaaggga gccgccacca aggctaggaa acccgccggc aaggggaagg cagcgaaaga 180
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 ggtattcaac aaagaacatc ctgaaaaca 269

<210> 45102
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041615H1

<400> 45102

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 aacctcgttt tcttttcttc gtcttctatc accgattccg attcgctact ctttcttctt 120
 cttctttttt tattgatcct ctctgcgac acgaattttc ccattttctc cgtttcctcg 180

ctccgatggc taatccctca ctcttgttct tcagtctcct cctattatcc gccaccgtag 60
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 cggaggacca ccacctgctc aacgcggagc accacttctc cgccttcaag acaaagttcg 180
 gcaagaccta cgccacgcag gaggagcacg accaccgctt ccgtatcttc aagaacaact 240
 tgctccgcgc caagtcacac cagaaattgg atc 273

<210> 45106
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041623H1

<400> 45106
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 ttttgacttg agttacgttg agaagacaac cacagagact ctagttttgg gtggtggggc 180
 tgtgaaggcc caattggagg gtgctgaaat ggggtgttgca tctgagaacg gtggctgcaa 240
 ctgtggatca agctgcacct gtgaccca 268

<210> 45107
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041624H1

<400> 45107
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 agatttcaca agtgcttaca cttcaaattg ctttgaagc tcttcaatca cccaccacac 120
 ccactccatc gtttagtccc tttgatgata ccagtctcag ttacttagag acaccgtgga 180
 cgataggaaa gcgttctaag cgtagcgcac ggtgcaacaa ctgcaacacc cttcatgcac 240
 cgaggaagag tacctcgctc tttgtctcat 270

<210> 45108
 <211> 145
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041633H1

<400> 45108

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ctctcagctg ctgtaataat tgttgcggtg ctgttttggc aaagagggag agagagagcg 120
acccaaaaga gactatgctc gggga 145

<210> 45109

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 701041634H1

<400> 45109

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actacacaca gtatgacacc agtctc 86

<210> 45110

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041635H1

<400> 45110

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gcgattcatt tacctttgga ctccctccc agtcctcaag ttccacgacc ctctcctttt 120
ccactctttc gtcgaccact tcctctccct cagagacgct tccaccaacg tccacgccct 180
caacttcacg tgccacgatg aactcgatga tgatgggcat gttgtagatt ccatcattga 240
ctatgttacc ctacaccca ccatctcc 268

<210> 45111

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 701041637H1

<400> 45111

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tgtgatccta tccatatttt tcttggtgtg tacaacaaca ccaccactgt cccttgccca 120
gaacaccct ca 132

<210> 45112

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041638H1

<400> 45112

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gactcagcgc ggcttcaca atgttcacg atttttgcgt cgaaatggcg aacaccgcgg 120
aggccttcgt ggcctccgtt gactaccgcc tcgcaccgga gcaccggctt cgggcggcgt 180
acgacgatgc cgtggaggcg ctgcggtgga tcgcgtgcag cgaagaggag tggttgacgc 240
aatatgcgga ttatagtaag tgttatc 267

<210> 45113

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041641H1

<400> 45113

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ctctcagctg ctgtaagtaa ttgttgcggt gctgttttgg caaagaggga gagagagagc 120
gacccaaaag agactatgct cggggactca gctctgttgg gaggtggagg aggagaaggt 180
ggtgcctccg ccgatgtagt ggcggcgacc gccacgcatg atgcgacaac gacgacgacg 240
accggaggag gcggtggcgg atcaaata 268

<210> 45114

<211> 89

<212> DNA

<213> Glycine max

<223> Clone ID: 701041642H1

<400> 45114

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actatagcca gtatgcacac cagtctcag 89

<210> 45115

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041643H1

<400> 45115

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gcgattcatt tacctgtgga cttccctccc agtcctcaag ttccacgacc ctctcctttt 120
ccactctttc gtcgaccact tcctctccct cagagacgct tccaccaacg tccacgcctt 180
caacttcacg tgccacgatg aactcgatga tgatgggcat gttgtagatt ccatcattga 240
ctatgttacc ctcacacca ccat 264

<210> 45116

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041645H1

<400> 45116

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gaacaccctt caagactttc ttgatgtgca caatcaggct cgtgccgagg ttggtgttgg 180
tccacttca tggaaccaca cccttcaagc ctacgctcaa aggtatgcca atgagagaat 240
ccctgactgc aacctogaac actcca 266

<210> 45117

<211> 265

<212> DNA

<213> Glycine max

SECRET

caaatccaa tccaagaag ctacctctca tcgttttctt tcacggtagc cgcttcgtgc	60
gactcagcgc ggcttcaca atgttcacg atttttgcgt cgaaatggcg aacaccgcgg	120
aggccttcgt ggcttcggt gactaccgcc tcgcaccgga gcaccggctt ccggcggcgt	180
acgacgatgc cgtggaggcg ctgcggtgga tcgcgtgcag cgaagaggag tggttgacgc	240
aatatgcgga ttatagtaag tgta	265

<210>	45118
<211>	266
<212>	DNA
<213>	Glycine max

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aatctaattct tgccaattca gttagatggc tccaaactcc gagctccagt aacactgac    180
tttattctga gttgaaggaa ctagtccag agtatcagga acgtgttaag aagctgaaga    240
cagatcatgg aagtgttgaa ttggga                                     266
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<210>	45119
<211>	270
<212>	DNA
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<400>	45119		
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gctgttgga	gaggggttct	aggagtgcct	gttggggcac tactgaattt tttaggagct 180
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atgatgtctg	tgttcacaac	aattccagcg	270

<210> 45120
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041651H1

<400> 45120

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 gccacaaaa acggcatcaa gaaacccaag aggcacgccc acacttccac caaagggatg 120
 gatcccaagt ttctgaggaa tcagaggtac gcgaggaagc acaacaagaa gagtggtgaa 180
 acageccaccg aggaagagtg aaatggcact ttctaacgga accattaggg tttttttatg 240
 ctcatttttt tggttaaact ttgtttg 267

<210> 45121
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041652H1

<400> 45121

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 gaggcggtga agcagggctc ggctgcgata gggctccgat ccaagaccca cgtggtcctc 180
 gcatgcgtca acaaggctaa ctccgaactt tcacgcacc agaagaagat cttcaaggtc 240
 gacaaccaca tcggcgctgc catcgccgg 269

<210> 45122
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041653H1

<400> 45122

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catggcgtct gctaagctca acaccttgtc ttcccagtggt atcgcccaca attccttctc 180
 tcctcgccgt cgatcctctt ctgcgcgagt ctctcttccg atccgcgctt cttcttacca 240
 acacgaactc gtccaaaccg ccaaattc 268

<210> 45123
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041655H1

<400> 45123

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<210> 45124
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041657H1

<400> 45124

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 gatctcgaaa tgcgatcatg tgtggagctc ttacgcgttt ccgctagctc cgtcatcaac 120
 ccttccaagg tcaaacagat ttcttggaag ccaagagctt tcgtttatga aggtttcctc 180
 acggatttgg aatgcgacca cttgatctct ctagcgaaat cggagcttaa gagatctgcc 240
 gttgcggata atctctctgg ag 262

<210> 45125
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041659H1

<400> 45125

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 gctcacccta acaactaatc ccattcaaac tgtttcagga cttggaagcc atgtggagac 180

acttctacga aaatctaata ctgattttac tgtagttatt tctcaaata atggaaaaga 240
tcactcatcc cattctact 259

<210> 45126
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041577H1

<400> 45126

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gtcactgtca ccgtcacctg tgagtgtcgt tagggccgcc cacggcgtgt tctacgtgaa 120
gtgcaagtat caggaccgca cctctctccg cctcaaagcc cacgactacc gccgccagct 180
ctcectctct gccggcgctg acctccccct cggaggctcc ggccgccccg acgccgtcgg 240
gctttattac gctaaaattg gg 262

<210> 45127
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701041578H1

<400> 45127

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ctcaattatt cttcaatctt tctaagaagt tcatattctt cagtgttctc tagtgtcatc 180
acaaaaatca gggaatgctg aaagatgtgc ttgatagtta agaattcctt cactgaggct 240
aatgagtcgg tgctccatc tgag 264

<210> 45128
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701041579H1

<400> 45128

002250" EFFE50

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aagctcttgc ttttccttct aactctgcac tcttcattcg ctgagatttt cttcgaagag 120
agattcgaag atggatggaa gagccgttgg gtgctatccg attggaaaag gagtgaagga 180
aaagcgggta ccttcaagca cacagcagga aaatggtctg gggatcctga tgacaaaggt 240
cttcagacat ataatgacgc caa 263

<210> 45129
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041580H1

<400> 45129

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tataaactca gattcattca gaatttcaga ttcacctttt tcttttcttc tctaccttct 120
ttttcctctg acagcttttt gcagaaagtt gtgatttttc cttgaaagat ggcatctttg 180
agcatgatcc agatcagaac tgggaattgt gcatctgggt ttggtttgaa ttgtgctggg 240
aaggttaagg ttggtcccag cagag 265

<210> 45130
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041581H1

<400> 45130

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gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
tacatcactg tcttaaccgt tatgggag 268

<210> 45131
<211> 266

<212> DNA
 <213> Glycine max

<223> Clone ID: 701041582H1

<400> 45131

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 cactcgttgt tgatttcatt ccaacaacgt caatttcaca tttccttgct ttgttgtgat 180
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 ttgagctctc agattactca gcaatc 266

<210> 45132
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041583H1

<400> 45132

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 ttacttggtt ttgtttgatt gattgcecca atggccgcgt gtggctatat atctgctgcc 120
 aacttcaatc atcttggttg cgccagacac ttatccaaat tcagttcttc ggatgccaca 180
 atttcgttat catttggcgg gagcgattca atgggtctta gtttgcgacc cgctccaatt 240
 cgtgctccta agaggaacca tttct 265

<210> 45133
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041584H1

<400> 45133

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 tcttggcata attcttttct ttgaccgtgg tttgcttgct ctgggaaata ttttttctct 180
 ggcaggggtt ggcattttgc ttggttggcg ttccacgtgg gcacttttca ctaatagagc 240

caactttaag ggttctgcat ca

262

<210> 45134
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041585H1

<400> 45134

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 atgccctcgt tggcatgcac cataggatgc cgagtaaagt ctgatgcaga taattgcagt 180
 ttctcagtat tctctcaatc tcttgaagaa aatgggtgtgg tcttgccctc atgcatctgc 240
 ttaccttctg tgggcctcct gtgt 264

<210> 45135
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041586H1

<400> 45135

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 ggtcgccctc ctgctccatc tcaaagata cccatccaa atgctggtgc atttatgcca 180
 agccaacagc caactgttgg atataactaat ttaattagtt ctctaattgc tcaaggcgtg 240
 atctcattgg ctaaccagct gcct 264

<210> 45136
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041588H1

<400> 45136

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cacaagataa aggggactat ggtgggttatg cagaagaatg tgttggatat caacagcatc 120
 accagtgttg gagggatcgt tgaccaaggc ttaggcttca taggcagtgc agtcgatgca 180
 cttacttttg cagccaccaa aatctccatc cagttgatta gtgctaccaa ggctgatggg 240
 gggaaaggaa aaattggaaa ga 262

<210> 45137
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041589H1

<400> 45137

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 atggttgggtg ctggctttta adctcgctct cactcgcatc cctccttatt agctttaatt 120
 taaacctctc gtgcgggtgtt gtcgtctcgc gtccccaat ctctcctcat ctcgttcc 178

<210> 45138
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041590H1

<400> 45138

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 catactcatc agcttctttg gggaaacctg agaacaacat aaaaacatct gtttttaaat 180
 cacccaagat tgagctaggt ccagggttag tttcaaacaa attttatttt gatgttgact 240
 ttccaagagg ccatattgca 260

<210> 45139
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041591H1

<400> 45139

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 ttgtagcctc agtcgcttct ccaattgtcc ctacagacac cacagccaaa tttgctctcc 180
 cagtggattc agaacacaag gccaaaggttt tcaaactctt ctccctggcc aatccccaca 240
 tgagaacctt ccaccttt 258

<210> 45140
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041592H1

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 agagagagaa gaagaagaag aggaggtgcc gagttctaga atctctaggc cgctctctga 180
 aatactgaaa gagctgaaca agaaagtacc ggactccctc gtcaaaaccc gcctccagaa 240
 agatcaagat gcctccccca 260

<210> 45141
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041595H1

<400> 45141
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 tcgtttaagt taaagaaacc cattagacta ggcagatcat tatggctgta cattccgaat 120
 cagcttcattc agagaagaaa tcaagcaatg gagtgaatga gttgctgact tttaatgctg 180
 agaatatgca aagcaacatg aaaattatct attacagccg aacattttta tctataattg 240
 gtggcggttg tgctggaatt t 261

<210> 45142
 <211> 262

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701041596H1

 <400> 45142

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 ggttcgccgg tgcatacatc ttctccgtcg ctagtctcaa ccatggaatg aatcgttacg 180
 tcttcgttgt ctatcgcaat gccatcgctg cattggccct tgctcctttt gcattgattt 240
 tcgagaggaa aattaggcca aa 262

 <210> 45143
 <211> 187
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041601H1

 <400> 45143

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 aagtaccctt ttcaggatca aggaagagaa tcaagaacca ccaaaggtg ttgttctttg 180
 ttgtagt 187

 <210> 45144
 <211> 182
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041602H1

 <400> 45144

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 gg 182

<210> 45145
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041603H1

<400> 45145

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 aactccaatc ttggtacaga gaattcatca atctcggaca ccctgatcat aaaaatgcta 180
 gttggtggcc taaacttgac atccctgagg atctcacctc catgcttacc actgttattt 240
 ggcttgtatc agcacaacat gctgtcttga acttt 275

<210> 45146
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041604H1

<400> 45146

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 ttggatcatt caggagtaac ccccataatt gagttgtctt tctcttcctt atgatggctc 180
 tagtggaaaag aagataattg gagagatgga ggttgatatg gcaagtttaa taataattgg 240
 gaatgctttt ggcttgtgtt ttgcaacggt tct 273

<210> 45147
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041605H1

<400> 45147

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 gtaaaatatt cttccttccc tgctccagtc ctaggttggc aaatgggtgt tccccatggc 120
 atgggtatct caatgcaata caataatgtg cctgtgccaa gttttccaca gccatcaaag 180

tcaacaaatc cgtttgattt gcagttgggt cactgctgac atcaaaccac aacttttctt 240
tccatgtcat ccttgcaagg tgccctgcct agtg 274

<210> 45148
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041608H1

<400> 45148

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ccaccgccac cgccgccgca cgtggtgctg ctcccttgcc gtccctccct ccagccccga 120
caaccttact aactcctcca aacctctccc tcgcaactcc gagcctcact ccaaacctgc 180
attctccctc ccaaactccc ccaaatcccg catcccagtc aagatcgacc ctgcgccgat 240
cctttccccc ggaagagtct ccccatcga etc 273

<210> 45149
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701041609H1

<400> 45149

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ctatttggtt cctccataat tcaaagtagc ttcgacaatg gtggttgggg tgctattcta 180
gctaacttgt acgctaggaa ggcggacatc atcttaagag gatactctgg ttggaattca 240
aggcgggctt tggaggtttt ggatgaaatt 270

<210> 45150
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701041575H1

<400> 45150

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 gggtttgggt tgtggatcta ttgtgtcgc tgcgatggat cgcaagaggg gaaggcatga 120
 agctgccttc aatttcaatg gcggcgccaa gaaatcgagg cctgaaatgg actcctttcc 180
 aactgggtta ggaagcaaat cgaagccatg cacaaagttt ttcagcacct ctggctgtcc 240
 atttggtgaa ggatgccac 259

<210> 45151
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041541H1

<400> 45151

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 cctcctccg tcgagccctc tccgattcga atcgttccca gcctcgcacc accatgaatc 120
 ccgaatacga ttatttggtc aagcttttgc tgattggaga ttctgggtgta ggcaagtcac 180
 gtcttctcct gaggtttgct gatgattcat accttgacag ctatatcagt accattggag 240
 tggactttaa aatccgcact gtggagcagg 270

<210> 45152
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041546H1

<400> 45152

cccttctcca aagagaaaga acagcaagca atcgttaccc attacctatt tcactttcca 60
 cacaacata 69

<210> 45153
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041547H1

<400> 45153

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 agaggcggtg gacgcggcgg cggattcaga ggtcgcgcgg acggtggtgg tcgcggcaga 120
 ggtggttttg gtcgcggcgg aggtggtttt ggtcgcggcg gcggcggata tcgtgacgaa 180
 ggaccaccct ccgaagtcgt agaggtgtca tcttttatgc atctatgcga gggagatgca 240
 gtgacaaagc ttacaaatga gaaag 265

<210> 45154
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041548H1

<400> 45154

gcaaattcca attcccaatt cccaattccc aattcgaaac cttattcct ttcaaagaac 60
 caaattgagt gatcgtgatg gcaccaaagg cagagaagaa gccagcggag aagaagcccg 120
 cggaggagaa gaagtccacg gtgggagaca aggctccggc ggagaagaag ccaaaggccg 180
 gaaagaagct tccgaaggag ggaggcgccg gcggagaagg gaagaagaag aagagaaaca 240
 agaagagcgt ggagacatac aagatctaca tctt 274

<210> 45155
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041549H1

<400> 45155

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 atctaccttc cggaagttgg gtgagaccga aagacctttt cctgtgagga aaagaatggt 180
 cggtcgtgct tggcccctaa gagctcctgt gagagatgga attgtaccaa cttggccaca 240
 actgatgaat agtaaactctg ctccaccatg cacgg 275

<210> 45156
 <211> 276

002230-5TTE560

<212> DNA
<213> Glycine max

<223> Clone ID: 701041550H1

<400> 45156

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aacagcagca gttcagcact agctcggtta agtctggatg agaaagtgtc agagagtaac 120
ctcactaagg gacctactcc tcctgtccat caaaagaagc cacaacgaag atctcttcct 180
gctcggctgg cccctgaaag gaacagtgtg tcaaattcaa ggactgcacc aacttcatcc 240
aaggctatca aagatgaaaa gtcctccttg tctagt 276

<210> 45157
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701041551H1

<400> 45157

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aatggcactc attttcaggc tagagaaggt gaacttgaga aaatttcaca gtgtagccaa 120
agtcattgga acccttataa cagtttcagg agctatggtt atgactctgt acaaaggccc 180
tgccttccaa atcataaagg gtggaggagc catcagcaac catagcaact ctagcagtac 240
tagtaccacc gaaccctctg accagcactg gata 274

<210> 45158
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701041552H1

<400> 45158

gcccggcaac cgctactacg gcggcaacga attcatcgac cagatcgaaa acctctgccg 60
ctcacgcgcc ctccaggcct tccacctega cgccaatcc tggggcgta atgtgcagcc 120
ctactccggc tccctgcca acttcgccgc ctacaccgcc gtcctcaacc cccacgaccg 180
catcatgggg ctggatctcc cctccggcgg ccacctcacc cagggtact acacctccgg 240

cggaagaag atctccgcca cctccattta cttc

274

<210> 45159
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041555H1

<400> 45159

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tctgcagcgt aagaaggagt tccagtgaat gaaggatgaac agtttgatat aagggttaact 120
gttgaagaat ttaaaccattc tgtcaacggt tacactctat ggaaacctgg aatggatata 180
catgtgtccc atgtgaaacg cagtaacatt cctaactaca tatttcctgg tgggtgtgcga 240
cctaccttcc catcaaaagt aactgccga 269

<210> 45160
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041556H1

<400> 45160

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aacaaagaac ataagataac aaacagaaaag cgcttataaa tggctttcca cgaccatcta 120
ccgcacgaaa tcacgttcca gccgtttacc gaggagcagc agttagggtca gagcagggac 180
atgcagcggc tgctcccgtc ctccggcggg gcgccgacgt ggctgaacaa cagcaccgcg 240
gcgacgtccc gccagcagaa tttcttcca 269

<210> 45161
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701041557H1

<400> 45161

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ttttgcttaa tattttactt gaatatgcaa tagatcattt atccgcttgg attcgaattt 120
 tcctagcctg ccatgttcac acgaacgggtg ggactagggg tgaaccatat gcctattaat 180
 ttatatattat ttatgtcctt ttcttttatg gaagtctttt ttttcactag gatcgagtga 240
 aggggaatctg ctagtctagt tgtagc 266

<210> 45162
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041558H1

<400> 45162

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 gaaagtgggtg atcctaggag gtgggtgttc cgggtgccaac cttgcaaaaa ctatacaaca 120
 tcaagccaac gtcaccctta ttgatccgaa gaatatattt agattccatg ggcaagtttg 180
 aggggattgg ttgagccaac ttttgtgaa aggatagtaa tcaaccatag agagtacttc 240
 aaaaagggtg accttgttgt atcc 264

<210> 45163
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041559H1

<400> 45163

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 ctcaaacaga aagaaggaag tcatcatggt tttgttcct caatcaatct gttgacacag 120
 gcagtggatg ctgattacat tttggtcttt ttctttctca cccaacatt ataccccatg 180
 attccaaata tcatccactg ttactacat ttctacattg attgtaaata ccaagcccaa 240
 ttgttttcag ctgggacaaa tttcttt 267

<210> 45164
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041560H1

<400> 45164

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cttaacccta accccaca 78

<210> 45165

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701041562H1

<400> 45165

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cttggaaga atgctcgagt tatctctaca gaagcagaaa aggaaagtaa gtcccaaaaa 120

ttctcgggtga aagatggagt gaagttgtta gcagaagata aggtcattgt ttgtcatcct 180

atggattacc catatgttgt gtttatgtgt catgagatat caaatactac tgcgcatttt 240

atgcctttgg agggagaaga tggaa 265

<210> 45166

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041563H1

<400> 45166

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aagatgaaac ccaacttttc atttttgttt aagcttttga tactgcaata tctagcagtt 120

ctatccattt ctcaggaatt tgatttcttc tactttgttc agcagtggcc aggagcatac 180

tgtgacacaa agcagagctg ctgttatccc aagactggga aaccttcagc agatttcagc 240

attcatggac tttggcctaa ctacaatg 268

<210> 45167

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041564H1

<400> 45167

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ggcacggttc actgggattt cttcccagga agcgtgctgc tcgtcacagg ggaaaagtga 120
aggcattccc caaggatgac ccatccaagg cacccaagct cactgcattc ttgggttaca 180
aggccggtat gactcacatt gttagagagg tcgcgaagcc aggatcaaag cttcacaaga 240
aggaaacttg tgagcctgtt acaattatt 269

<210> 45168

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041567H1

<400> 45168

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aaccocatct ctttccttat ttattttcat cttagttttc cctaggacca tatattatac 120
catatttata tatcttcaca tacttaatag tatataataa tgggtgttgt acggacgtgg 180
gagagcagga gggcggactg gaggcctttc gccggagcct ggtggcagcc gccggcatcc 240
agcggcggaa agacgatgag gggggggaga 269

<210> 45169

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041568H1

<400> 45169

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agggaaagga tgaagatcac ggcgttggtg gtgcttaaat gcacgggcga gggatccgat 120
ccggtgattc tggcaaacgc ttccgatgtc agccacttcg gctacttcca gcgttccagc 180
gttaaggaat tcatcgtttt cgttggtcgt acagtcgcca gtcgcactcc tcagggccaa 240
cgccaatccg tacaacacga agagtacaa 269

<210> 45170
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041569H1

<400> 45170

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 cccctcattt ccatggccac agaagagtcc actgtcgagg tggaaccgc tcccgaaact 120
 gcctccgccg atcctcccc ggaggagaag gaggagacca aacctgaagc caaggctaag 180
 aaaaccaagg agcccaaacc taaaaagggt tccagacctc gcaaccctcc cactcatcct 240
 tcctacgaag agatgggttaa agatgcaatt 270

<210> 45171
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041570H1

<400> 45171

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 ttcttctgtg gagatcttgt tttttcatct cacttttctt ctaattaagg aacaagcttt 120
 ccgcagttga aaaccctagc tagctagctt ccaccaattt gaatcaccaa tggctcgctc 180
 tttctctaac gtcaagggtc tctctgctct tgtggccgac ggattctcca acactctcac 240
 caggcgtggg tacgcagcag cgaca 265

<210> 45172
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041571H1

<400> 45172

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 gaagatagta gaaaacaact ccaacaaaca aacatcaatg gcaaacacgt attcgtggct 120

cttctctcgcg atttgtgcc aacctcttgc tcttctgtct tcgtogccga cagcggacgc 180
 gggagcactg ggcattggaaa tgacatggat accctccatg cccatggaag aggagttcca 240
 gctggacagc gagatcagcc ggcg 264

<210> 45173
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041572H1

<400> 45173

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 taagcctcac atcacagatt tcccagtaaa caacgaaccc atcatctcaa tctgcttctt 120
 cactctaate gaatcgaacc acccttcaaa tcgcagatca aaatcgaagc ttatacatat 180
 acatacacca cgcgtgaate caacggatgat gatgaccggg aagcaagggt tcttctctct 240
 gcgagggtca ctctcttccc tcgcagt 267

<210> 45174
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041574H1

<400> 45174

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 ttagatcaac tttctcgtc ccttgctttc cactccacca aggtaccaac caacctacca 120
 aatggcagca aagccagctg aagaagctcc tcaaggagaa accctcaagt accagtcgtg 180
 ggttttgaaa gtattgatcc actgcgatgg ctgcaaaagg agagtcaaga aaattcttca 240
 gggaattgat ggggtttata caaca 265

<210> 45175
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041540H1

<400> 45175

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 aaaacccacac tctctttttc cgagtcttcc agtgaaagaa aggcagcgat ggaagaagac 120
 ttcgacatcc ccggcggcga ggaaatggat ctccggcgaag acgaggtcgg cgaggagagg 180
 gagatcgggt ctggcggcct caagaagaag ctctcaagg aaggtcaagg ctgggaaacc 240
 cccgaagtgc gtgacgaagt ccaagttcat tac 273

<210> 45176

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701041503H1

<400> 45176

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 tcaatcaata tggtcagcag tctctggaaa ggggtgctct accctacatt ccagaggatg 120
 agcgcaatgg aacagtgaat gtgagcaact tcagaagcca ggatcaacat gaatctgcac 180
 aacatggtct gagatttgag gcatatgaag ttccaaagcc tccaatgccg tcaaaagttg 240
 ctccagtttc actttcatcc tcaacagacc ttgttccagt a 281

<210> 45177

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701041504H1

<400> 45177

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 attgagatga tcagagccaa acttgagaaa ctagatggga agtttggtcc caaaccaatt 120
 gttgtaatga ctgaaaagga ttatgatagg gaccagaaa ttcttaagca attgcacca 180
 tttaaagttt ttgttctctg ttctgcattg aaggttctgc cctatagagg aagcacagag 240
 gatagcttta agaaatttct gaaggaccat ttaaaatta 279

<210> 45178
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041506H1

<400> 45178

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 tactcgtgga ggaagtacgg acagaagccg atcaagggat caccgtaccc gaggtgagtg 120
 gtttgtggcc gttgatttgg tgttggtttt ggtcaaagggt gtgttaactg acgttgattt 180
 gttttgtgtt ctcagggggg attacaagtg cagtaccgtg agaggggtgcc cggcgaggaa 240
 acacgtggag cgtgcttcgg acgatccgac gatgttg 277

<210> 45179
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041507H1

<400> 45179

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 caaggaactg ggcataactg ctcttcatat caagctccgt gccacagggtg gaaacaagac 120
 aaaaacacca ggtcctggtg ctcaatcagc tcttcgagcc cttgctcggt caggaatgaa 180
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 tagaaggggt agaaggcttt aagcttctta tggtata 277

<210> 45180
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041508H1

<400> 45180

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 ccgttggtga atttccaatc tgtgattttt ttcttcttct atttatacgt gataattcca 120
 aaaagcctaa cgcgagagat tcatcagctt ttcaattatt cctcgaatta ttttgaagga 180

002260" ETTES60

atcatccaaa ctgcttgaac tattcatcat caacaacctc acgctgttat agatattctc 240
tctctctctc tctctca 257

<210> 45181
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 701041509H1
<400> 45181

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aatttgcaca cgctgcttct tcagcttgag aaatggcaca agaaaccttt ctattcacat 120
ctgaatctgt aaacgagggg cccccgaca agctgtgcga ccagatctct gatgcagtgc 180
ttgatgcgtg ccttgaacag gaccctgaca gcaaggttgc ctgtgagaca tgcaccaaga 240
ccaacatggg catggtcttt ggagagatca caacca 276

<210> 45182
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 701041510H1
<400> 45182

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cccccgggga agaaaaagga gggatatgct gccaaatttg tcattaggtc acaagcaatc 120
aagcagcttc aatcagtct accccttttc aggaaactat gtattttgaa aggtgtaact 180
ccaagggagc ctaagaaaaa gttcaaggga actcatcaga cttattacca tgtaaaggat 240
gtttccttcc ttcatcacga gcctttggtt gaaata 276

<210> 45183
<211> 272
<212> DNA
<213> Glycine max
<223> Clone ID: 701041512H1
<400> 45183

09531113-032200

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ctattaaacc cgctaccaa cttctgttg agttccctgt ttctgagaaa agccatcttg 120
tttgggaaat ccgagtgggtg ggttgggatg tcagctatgg agctgaattt gtgcccagcg 180
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ccgttcttac caacggtttc aaaattgggtg aa 272

<210> 45184
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701041514H1

<400> 45184

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cagcagcagc agggctgccg acgaagagaa cgttcaagaa gttcagtttt cgaggcgtgg 120
atctcgatgc acttctcgac atgtccaccg atgaactcgt caagatgttc agtgcccgcg 180
ctcgtagaag gttccagaga ggcctcacca gaaagcccat ggccttgatc aagaagctcc 240
gtaaagcgaa aagggaagct ccaccaggtg agaagc 276

<210> 45185
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701041516H1

<400> 45185

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cccgaattg aatttctctt cttcgaattc gattccaaac cccaagtaat cgacctcgaa 120
accccgaaaa ccctaatttc agctgagaag aagcctcaat ttaatcggaa accgtcgtg 180
ctaactcgtg ttccgaagaa gaccgagtgg atccaattcg gaaaccctga ggtggcggcg 240
ccggagaacc agcctgagaa gaagcactac agaggtgtcc gtcagc 286

<210> 45186
<211> 279

<212> DNA
<213> Glycine max

<223> Clone ID: 701041518H1

<400> 45186
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aatgatcgga aagttgtcgg agttgttggt ctcgagagggc cgcacgggtg cacttttgga 120
caccactgga agcccaagag gccattaga catgaagatg atgcaatcac caagaggctt 180
aaaaaattat gatcttggtg gcgttggtct tggaattgtg gtggctcttg ataaatccaa 240
taacgaggtt gctgcacgtg aagttttgcc caaacacac 279

<210> 45187
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041519H1

<400> 45187
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gcagtaatgc gcttttgaaa cccgtgttca tctgtatcca acgatttact agaaggaggt 120
cgcaatttct ccattctcac atttcgctag cacgtgaaat caaaagttat cgacactttc 180
gcgcgacacg aaatatggg aaccaagcaa aatatctatg gctgacgaac cattatatcc 240
aatagcgggtg cttatagatg agttgaaaaa tgatgac 277

<210> 45188
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701041522H1

<400> 45188
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ttgaattgct gcttgcttct tcttcttctt gttcccgact gacagataag gtgagttgaa 120
ttactgtgaa ggagtgattg agtgagtggc caatgaacaa cagcagcagc agcagcagca 180
gcagcagcat tctcatccaa ttgttgtttt cctcgcttcc tgcattgggca actctaatacg 240

002220"ETTES0

cagctgcatt tctcctccta actctaaccc tctcca

276

<210> 45189
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041523H1

<400> 45189

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ctcaaggcca cagattttgg cttgtcagtt ttcattgaag aaggaaaggt gtatcgaaat 180
atagttggca gtgcttacta tgttgctcca gaagttctac gtcgtagcta tgggaaggaa 240
gcagatatat ggagtgcagg agttatattg tat 273

<210> 45190
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701041524H1

<400> 45190

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atgtctttca gaggcctcag ccggccaaat gccacatcag gcatgggtgt tgctgatcac 120
agcaaaaaca ctttcatgga attgaagcag aagaaggttc atcgttatgt gatctttaag 180
gtcgatgaga agaaaaggga ggttgtggtt gagaagactg gtggcccggc tgagagctat 240
gacgattttg ctgcatcttt gccggagaat gatt 274

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<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701041528H1

<400> 45191

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0022E0"ETTES0

cttgatacca atgagtgata tggcgagagc att

93

<210> 45192
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701041529H1

<400> 45192

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tatggaaatc tccaagttgg ctttgccgaa gcagtctaata tacgctttct ggaggatttt 180
ctttgtaaat ttgttaagcg tgttgtaaata aagctgttat aattgtagct ctggttactt 240
tttgaaacca cgaatgtatt tatccattta 270

<210> 45193
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041530H1

<400> 45193

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cgggtgttgtt ttccgaccac acctggaccc cacaaaaccc tacaaccacc gcaacaacaa 180
tcgcaaccgc cactccgacc actaccgct cctcaagtcc aacgtcgacg ctctcaacct 240
catccaggtc ggcctcactc tcaccgacgc cgc 273

<210> 45194
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041531H1

<400> 45194

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tttgtttttt ctgcatcat tttccattgg gtggaagaaa gtctcaacct ttagtcgaaa 120
 gagcaaggat ctgagtgagt gagcatcat gtgtggtggt gcgattatct cgcacttcat 180
 tccagcgggt cccgcggcg gggcgacgc gtgaccgccg acatcctgtg gccgaatttg 240
 aggaagcggg tctcgaagtc gctgctggac ga 272

<210> 45195
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041533H1

<400> 45195

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 agagtgagaa gcgcgtggag gacgatgaat cgcgcgttcc gattcacatc gtgaccgcgg 180
 cgacgcaact tcccgctgaa tttctggaac cctcgctca atccaagctc gtcacggct 240
 ttgactgcga gggcggtgac ctgtgtcgca aaggc 275

<210> 45196
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041537H1

<400> 45196

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 cagccagatt ccgcagcgta ggatgtatcg cggaataact tttgtatcag aaaatgggcc 120
 ttacaagacc ttggaagagc tttgggattg agattcctga aatcattcct aatagcagca 180
 aaatgtcata taaggctgtg tgtttggtt aagatgggag gagggaaacta ggagagaaat 240
 tttgtacttt tcatgtggaa ctcacatctt ttaca 275

<210> 45197
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041538H1

<400> 45197

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aatgggagtg tttgtttgtg tgtgatgcga gtgagagaga agtgtgaaaa ggggcgaata 120
gggttagggg tagggtttga ttgaggatgc cgaagaacaa gggaaaggga ggtaagaaca 180
ggaagagggg aaagaacgag gcgacgacg agaagcggga gctggtgttc aaggaggacg 240
ggcaggagta cgcgagggtg ctccggatgc tgg 273

<210> 45198

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041539H1

<400> 45198

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ctataaataa tcctcaagtt tctacacttt acctctccca ggaggaacag cgcagaacct 120
aaccctcacg aaagcccttt tcgattccga taactctcgt tgttccgaaa ccctaaccct 180
aaccgggttt tttcgtttgt ttggattgaa ttggcatcgg agggaggcga tcgattggaa 240
attggtagta gtagtttagc gttgaagaac g 271

<210> 45199

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701041501H1

<400> 45199

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atccaaaacc caaaaaagag aatagagtga gagaaagaga atcatggaat tagaacaaaa 120
ccagagatgg gaaggctatg tgaactggag gaacaagcct gctctcagt gctgcaatgg 180
tggcatgctt gctgcctcct ttgttttagt ggttgagata ttggagaatc tggcatttct 240
agccaatgca agcaatttgg tgctgtatct gaggcagtac atgcacat 288

09531413.032200

<210> 45200
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041470H1

<400> 45200

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cttattcctc cgtcctccgt cgagtccttt ccgattcgat ccgttcccag ctttgtgcca 120
ccatgaatcc cgaacacgat tatttggtca agcttttgct gattggagat tctggtgtag 180
gcaagtcatg tcttctcctg aggtttgctg atgattcata ccttgacagc tatatcagta 240
ccattggagt ggactttaaa atccgca 267

<210> 45201
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041472H1

<400> 45201

ctctcgagcc gaatcggctc gagcttcaaa tcgattaagt tcatagagcg aattgaaata 60
tctacttggc aagtgattga gagactgaat ttgtagataa taagatgggt tcgtcgacta 120
atggtggtgt gccgccaggg tttagatttc atccaacgga tgaagagctg cttcattact 180
acttgaagaa gaaggtgtcc tttcagaagt ttgacatgga tgtcattaga gaggtcgact 240
tgaacaagat ggagccttgg gacttgcaa 269

<210> 45202
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041473H1

<400> 45202

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attttctttt cgatccaaaa aatggctctc tcgcgcgttg ttgctcaatc gtcgcaatcg 120

aatcttctga aacccttagc gtcgtactta tcaactacgac gccgttcggt ttcgacttcg 180
 tcagacccac tcacgataga gacctcgggtg cccttcacct cccacaactg cgacgcgccg 240
 tcacgcgccg tggagacctc ctccg 265

<210> 45203
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041475H1

<400> 45203

ggactcttcc ccgtcgatcc tctttcaggt gcccatattg atcaatgaaa gaataagcct 60
 cttagaagaa gctgttctta actttctatt cttttttgta tgattatcgg tctggtgact 120
 acgtctgtta acatttatca aaaaattgta ctttattttt agttttttct aaaatttgta 180
 tgacaggtgt agataagtac tacattttca agactggact ttacaaagtt ggccgaacag 240
 gttgtgatgt cataatc 257

<210> 45204
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041477H1

<400> 45204

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 ctatcaaaa gtaaaatgtc aggtgaagag ggtgtcattg cagttgagcc agctgctgct 120
 gctgctgcca tcccaggcga gccaatggat atcatgactg ccttacaact tgtgctcaga 180
 aaatctctgg cttatggtgg tttgtcgcgt ggccttcatg aaggtgcaaa agtgattgag 240
 aagcatgctg cacaactctg tgt 263

<210> 45205
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041478H1

<400> 45205

catatatcag aatcattaata gataagatta tattgctaag aagaaaaaat atgaagggtg 60
tctacttgct tgttgccctc ttggctttga catcaactgt tgtctctgcc tatgacccta 120
gtcctctgca agatttttgt gtggcagcca aagaaaaaga tgggtgtattt gtgcacggga 180
aattctgcaa ggacccaag cttgtcaaag cagaagattt cttcagacat gtggaacctg 240
ggaaaactga caaccacta ggttcaaa 268

<210> 45206

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041480H1

<400> 45206

gaaacaagtg atcaagggtca atgattatca gaagagccgg ttcgtgaatc gcgtggcttc 60
gtcaatgttt aacactgttg caagcaaaaa gatagcaatt cttgggtttg cattcaagaa 120
ggacactggt gacacaagga gagcaccagc cattgatgtg tgcaaaggac tactcggcga 180
caaggcgcg ctaagcatat atgatccaca agtcactgag gaccaaattc agaggggcttt 240
atggatgaac aagttgattg gga 263

<210> 45207

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041481H1

<400> 45207

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ggagcctata cgttctaatt acagtcagct tgatgaagtc gatatgggaa tgacttacga 120
ggagctatca gtttatggaa gactacgaaa aattttccgt tgtgggtccag tttccatgtt 180
ccagaatcta tgctacagat ggggtgccag attgacacca tcacaagtgg ctgaaaaagt 240
ataacacttc ttcaagtatt attctatc 268

002230" ETTES60

<210> 45208
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701041482H1

<400> 45208

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caccaccctt ttgtttgctc ttcaaatcag tgcaagagac agccagttct tcagcaaagt 120
cacccatttt gacaaaaacg tgtcaaagag acagaacttc ccaacaaaga agcaccagaa 180
gtgaacaagc cagagcgaca accacctttc attccggaga ctgaaaacag ctatgggcta 240
t 241

<210> 45209
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: 701041483H1

<400> 45209

gcaatttcga aaatttgac tcactcctct tattctcaga acagaaaaga gaagaagaaa 60
tggtgtcagg cgtgagagag ataagctgta gcggagagcc agtccttgac agtgatagcg 120
gggaggagtt gatgcaggt aagccggcat agacattgtc ctcggcgatc ttc 173

<210> 45210
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701041484H1

<400> 45210

agggcattgg aaatggcatt ccccttggtg ctgttgtaac tactccagag attgcagagg 60
tcttaaccg ccggagctac ttcaacacct ttggtggcaa ccctgtttgc actgctgcag 120
ggttggtgt tttgaaagta tagagaaaga gcagcttcaa cagaacgcgt ttgtggttg 180
atcccatttg aaagaaaggc tcactgccct caaggacaaa tatgaattaa ttggtgatgt 240
cagaggaaga ggcctgatgc tagg 264

<210> 45211
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041485H1

<400> 45211

gcggcgagct ggtggcgctc cgccgcccgc caccttcgaa cgggtggcggc gggccgtggt 60
 tccttgctcg gattccagcg cagaactacc acacgatcca agccatccca agggagtgc 120
 gcggcagcca agtctcggcg agagaccgaa cgcaaggctc aataccttgc gtcgttttcc 180
 tccagaacct tctggaaaaa aaccccgacg cgcgttcgga atcgaagaag cacttgctca 240
 ccgtcgagaa gaagcagatt aaggc 265

<210> 45212
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041486H1

<400> 45212

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 ccactctctt cgccggcgag cccttactct tccctcctcc gtcgagccct ctccgattcg 120
 aatcgttccc agcctcgac accatgaatc ccgaatacga ttatttggtc aagctttcgc 180
 tgattggaga ttctggtgta ggcaagtcgt gtcttctcct gaggtttgct gatgatcat 240
 accttgacag ctatatcagt acca 264

<210> 45213
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041487H1

<400> 45213

cgaaattcaa gaaatttttt aaacttgaca tatctgctat cacctcttcc gtttcttgcg 60
 attcgacgat ggccgatcaa aagcttttag gaccggcggt tagttttaag catgatgaat 120

tgacgagtcg atttcttgaa aactccgact tcttgaagaa ctccgacttc ttcaagaccg 180
 acttttttaaa gaacccgaga acaatgatga atgtaggaaa aatgggagcc tgaaaaggtt 240
 aactgaccag agtgctgtct gtggat 266

<210> 45214
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041488H1
 <400> 45214

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 gcttttccgc tccccaaaat gctgaggagc atattaacat caatgcaaca agtattattg 120
 attttgaaga gtttgctgaa agaatatcca acagtgttg tgaatcttca ttatctcctg 180
 ctgtgtatca tgaaaggctg gttaaaccac ggggtgatct tccgagattt gataaaaaaac 240
 ccgttgatca cgaga 255

<210> 45215
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041489H1
 <400> 45215

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 gccaatcatc gacgttgctg agagtgggag agaggagac tcaccctgaa aaggaaaagg 120
 aaaaagacca ccagaggctc tctgaggccg agaaagaggg ctttgatttc tccttctctg 180
 agttctcgct ggctgagctg aaggcggcca ccaacaattt cagctctgac tatatcgtgt 240
 ctgagagtgg ggagaaggca ccc 263

<210> 45216
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041490H1

<400> 45216
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 ggcaagaaga aggcagctga tccctttgcc aagaaggatt ggtatgacat taaggctcct 120
 tctgtttttc aagtgaaaat gttggcaaaa cctcgtctc tcgtactcag ggtaccaaga 180
 ttgcttctga aggactcaag catacagtgt ttgaggtctc cttggctgat cttcaagggg 240
 atgaggatca tgcattcaag aa 262

<210> 45217
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041491H1

<400> 45217
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 agtcaccatc cgaaccagga agtttatgac aaacaggctt ctctccagaa agcagttcgt 120
 cgttgatgtc cttcaccagg gagggctaata gtttccaagg ctgaactgaa ggagaagctg 180
 ggaagaatgt atgacgtgaa agacaccaac actgtatttg tcttcaagtt ccgaactcat 240
 tttggtggtg gcaagtc 257

<210> 45218
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041492H1

<400> 45218
 ccggacgcga gacttttttac aaagttatta gaagctgggc atcacaaaag tttatgactg 60
 gatgtgtcat tctctttcca attgcaatca cttctatat aacatggtgg tttattcatt 120
 tcgtggatgg atttttctct cctatctatg ctcaacttgg aattgatatt tttggtcttg 180
 gattcataac ttccataact ttcattctct tggctggggg tttcatgtca tcatggttgg 240
 gtgcatctgt cctgg 255

<210> 45219
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041493H1

<400> 45219

ctagaatgga ctttcgatgc tcagtcacat cttttaccat tctcttctct cttgattttg 60
 caggagagcg ccatgtctct gcatcgctac ctgaggaaga ttattgggaa gctgtttcgc 120
 caaacactcc cattcccatg cactgcgaga gcttctaaag cctctctctg catgtgttga 180
 aatcgatgaa ctccctaagc aaattgatga tacacagtac ccaaaaacat tcttctataa 240
 agcagacctt catcca 256

<210> 45220
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041494H1

<400> 45220

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 tggcacaag gatttcacaa caaactcaaa tgcattcaag gaagggacaa atgatacaaa 120
 ggaggaaact aatccttcaa aaatgttgca atagtagtgg ataaacctat tgaagcactt 180
 gttatactct cttcaggaga aaaggactat atgaacaaaa aatggaagag ggtactgtgg 240
 aaatcttgtg tttatgcaat cacactagta 270

<210> 45221
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041495H1

<400> 45221

caaacatggc ctccaaatcc ttcaccctca ttctctcat cctcaccaca ttcctcacgg 60
 cccaaaccca agcccaagct cccgcaccgg cccctcagg cgcggtgaac ctcaccgga 120
 tcttcgaaaa ggggtggccag acaccacct aatcaaactc ctaaaggaca cacaacaact 180

cactcagatc gaggcccagc tcaaatcaaa ctcaacaggc ttactctct tcccacccac 240
 tgacaatgcc ttccagagcc tcaaaccggg 270

<210> 45222
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041496H1
 <400> 45222

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 ctttatattga atccctctct ctcttttcca aatggccagc gttgaggttg cacatcaaac 120
 accaacaaca gttccagaaa atgaaacaac cgaggtaatc aagaccagg aaacaacccc 180
 ggaaccagta ccagccactg aggtctctgc aacagaacaa gcagcagctg aggttctctgc 240
 ccaagaagaa caacaagcaa ctgaggttcc tg 272

<210> 45223
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041468H1
 <400> 45223

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 ctgaacttct ttttatatgc actctgtgat ttactctgc ttgccatcc tatggggggac 120
 aacaacagca acaacgatgc ttcatgcgca accaaaacgc cgccgttcag gcccgcacca 180
 aagcgcagaa ccgctccaac gtccttcagc tcaaactgat tggacagagt cacccaaccg 240
 gtctcacagc gaacctgttg aagctc 266

<210> 45224
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041437H1
 <400> 45224

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 atgcctcgcc gtagctccgg tggaagatct gcccgctctg ctctctgtgc agcacctcgt 120
 cctgctccag ttcaccatgc tctctctcca gccctgctc agagcgggtg cggatctatg 180
 cttggtggca ttggttcaac catagctcaa ggtatggctt ttggcactgg aagtgcagtg 240
 gcacacaggg ctgtggatgc tgtcatgggt c 271

<210> 45225
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041438H1

<400> 45225

gccatttcaa tcttcagttt ctttcttcaa cgtttccatc atacacagat cccaatcctc 60
 tctcaagccc taatttcccc tcatttccat ggccacagaa gaaccanta tcgcggtgga 120
 acccgctccc gaacctgcct ccgcgactct cccccggagg agaaggagga gaccaaact 180
 gaagccaaag ctaagaaaac caaggagccc aaacctaana agatttccag acctcgcaac 240
 cctcccactc atccttctta cgaagagat 269

<210> 45226
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041439H1

<400> 45226

ctctttctcc gagaacaaaa aaaaaaacgt gattcgctct tctctccgaa taaaccacaa 60
 aaccaacaaa cgagaagagg agtgagagaa gatgggggtg tcgttcacga agctgttcag 120
 cagggtgttt gcgaagaagg aatgaggat tctgatggta ggtctcgatg ctgctggtaa 180
 gcaaaccatc ttgtacaagc tcaagcttgg agaaatcgtc accaccatcc ccaccatcgg 240
 atttaatggt gagactgtgg agtacaagaa c 271

<210> 45227

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041440H1

<400> 45227

gcttggtcaa caggctatta tacagaagca agcagcgagg gttcctcgaa ctcgatttgg 60
 ttctcgaaaa atgggtagag gacaatattc actccttgga tgaatatcg cgttcgagctc 120
 tcattcttct cctcgacttg gagaatccag atttatggaa gtggatatct ggacaagagc 180
 aacccccaga atcaatccac ataaaccag tctttgccgc agtgcgacaa ggagttatga 240
 agaatcttga gagtcattct gctcctgaaa 270

<210> 45228
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041443H1

<400> 45228

acaccacaca catagtagct attatactct ctagagtaat tgcggaatct gctagaattt 60
 tctaataatg gcgaaagacg ttgagcaggt cacagagcaa ggtgaatact ccgcgaagga 120
 ctaccatgac cctcctccgg caccgttgat cgaccagat gagctcacia agtggtcctt 180
 gtacagagcc gccatagctg agttcatagc aacactcctt tttctttaca tcaccgtgtt 240
 gaccattatt ggctacaaga gacaga 266

<210> 45229
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041444H1

<400> 45229

tagcaaggga tatatatgag catgctgttg tccttagtgt gaaaattgag gatcaagatg 60
 ctttcgaaag ggatttcttc cagttgaagc cttattatac agatgcctgc aatcgtcttc 120
 caccatctcc tcaggagtac cctatactgg gtctcaacct gttgagacta cttgtgcaga 180

ataggattgc tgagttccat actgagttgg aattgctttc atctgctgct cttgagaatc 240
 cttgcattaa gcatgccgtg gagtt 265

<210> 45230
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041445H1

<400> 45230

gaaccattca cattcttcca gaatcatcaa agccatcaac gggcttgact tggcaactag 60
 ctggaagatg aagcaagcaa ctcttttctt cttctcactc ttctactcc tttctctcac 120
 caccatggcc atttcaccag cacctgcagc agcaccaaaa gccacagcaa aaactcctcc 180
 taccctaaag gcaacagcac catcacaaa accattagtt cccacaatac ctcagtctcc 240
 agactctcct gactcgggtcc ccgacgaca 269

<210> 45231
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041446H1

<400> 45231

ccctcgagcc gaatcggctc gagcaactct tcaaaaggga gaagaaacgg aaagaaaact 60
 ctcaaaaaac tattatagca atggcagaac aaaacaaaaa ccaaacaact gaagctggaa 120
 ggcaccaaga ggttggtcac aagagcttct ccagagtgat gctctttacc agtatattct 180
 ggagacaagt gtctacccaa gagaacctga atccatgaaa gaactgagag agttgacagc 240
 aaaacaccca tggaacatca tgacaacctc tgca 274

<210> 45232
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041447H1

<400> 45232

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gaaggactac ggaatttgaa gccttgaaag atttacgcac tcttaccttg gaatctttca 120
agggttactgc ttctgaaatt aagaagcctc agtccactga tcttcccaat ttgataagct 180
ttcggcccga ataaatcagg agaataagag aattctgtta tctgcctgtt gaacaattct 240
ctgtacatat ttatggctac tgtttggata 270

<210> 45233
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041448H1

<400> 45233

ctactgtgaa ggtatggaag ctaaacaatg gactctggaa gatggactgc ttccctgctc 60
ttcagatgca cacggattgg gttcgagatg ttgcttgggc acccaattta gggctcccta 120
aatctaccat tgctagcgca tcacagacgg taaagtgatt atatggaccg tggcgaaaga 180
gggggatcag tgggaaggca aggttttgaa tgatttcaac acccctgttt ggaggggtctc 240
atggtcattg acaggaaaca tattggctgt ggc 273

<210> 45234
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701041449H1

<400> 45234

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aagctcttgg aggcgtacga gcgtggaggt gttgtgagtg aagcatgcca gtgtatccgt 120
gacctgggaa tgcctttctt caacacgagg ttgtcaagaa agctttggtt atggccatgg 180
agacgaagaa tgataggatg ctggatctgc tgcaggaatg tttcagtga ggtctaataa 240
ccatcaatca gatgaccaa 260

<210> 45235
<211> 269
<212> DNA

<213> Glycine max

<223> Clone ID: 701041450H1

<400> 45235

cgcttatgga atcaaactctg tatcccaaga tgtcttgccct gtcttgactg atgcattcga 60
 tggaaatatt ttgagccttg agtttgataa ttttgctgaa gtgcacaaac tctatgaagg 120
 tggagttaca ctacctacaa acttcttagc aagatcgccc ctataccagt gatcaaggaa 180
 atttttcgaa ctgatggcga acagttcctc aagtatccac cacctaaagt gatgcagggtg 240
 gataagtctg catggatgac tgatgaaga 269

<210> 45236

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041453H1

<400> 45236

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 tccaggctgg accaggggaat gaatagagat gagaggcttt cggttgaaga gaactgagtt 120
 aagcggcgaa ccaaacgcag aatcggcggc agaaattgcc accggaagca cgtcgaagac 180
 ggggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca actcaaactct 240
 gtgaagaaaa tctcaatttc taaattgt 268

<210> 45237

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041454H1

<400> 45237

aggccagtca agcatagaag gtccaagtta tggcaagaag gtcattgaag aaggtgtgaa 60
 actaaccgcc aatgttgatt tgcaaagaga agatgaatgt gggatttgcct tagagccttg 120
 caccaaaatg gttttacctg agtgctgcca tgccatgtgt attaaatgct accgcaagtg 180
 gaacagaaag tcagagtctt gtcctttttg ccgtggtagc ttgaggagag ttaattcgga 240

ggatctatgg gtattaactt gtaatgatg

269

<210> 45238
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041455H1

<400> 45238

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gttttcacat cctccaacat aagtttctga gtttgaaaca cagcataaac aaagcaaaat 120
atgaatgccg ctctcccttt ttaaattggaa acaaagctga agacaccaca cgagcaatcg 180
atagataaca aactaaagat agagtggagag tgagagacat gtataggttc agcaacacag 240
taatcggggtt cttgaacttg ttcacacttt t 271

<210> 45239
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041456H1

<400> 45239

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gccaaatcaa gagggggtttt cagatcatag tgtgtgtgtg tgtgttaaac aatggctaag 120
ttctttgctg ctatgatctt ggcactcatt gccatctcca tgcttcaaac agtgggttatg 180
gctgctaatt agcaaggagg ccacttgtat gacaacaaga gcaaatatgg aagtgggagt 240
gtcaagagat accaatgccc atcacaatg 269

<210> 45240
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041457H1

<400> 45240

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gtattgttcc ttggttggtt cagcataact catgtcctgt ttgccgtgtt gagctggcac 120
 ctcaaggaca ggctagtacc gtggtactcg aagttgggga ggacggaatg ccagcaacag 180
 cagcagcagt ggcagcaatg atagctccag gggcagagag aacagccatc agaaccatgg 240
 aaggagaaat ccattttcat ttttgtg 267

<210> 45241
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041458H1

<400> 45241

gaggaatatg gcttccttaa gctcctcatt agtgctgctc cttgcagctc taattctatc 60
 ccctcaagtt cttgctgact atgagacgcc cccaatttac aagccacctg ttacacacc 120
 gccagtttat aagccccag tcgaaaaacc accagtgtac aaacctccag ttacaagcc 180
 tccagttgac aaaccacctg ttataagcc tccagtttat aagccaccg ttacaagcc 240
 tccagtgtat aaacctccag ttgata 266

<210> 45242
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041459H1

<400> 45242

gcaatatgca ttggaagaca tgcgtttggt gatcaatata gggcgactga cacagtaatt 60
 aaaggagctg gaaagctgaa gctggtgttt gttccagaag gccagggatg ggagactgaa 120
 ttcgaggttt ttaacttcac tggatgaagg ggtgtttcat tggctatgta caatactgat 180
 gagtctattc gttcttttgc tgaggcctct atggcaactg ctttagagaa aaagtggcca 240
 ctttatctta gcacaaaaa ta 262

<210> 45243
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041462H1

<400> 45243

acccaacaaa tacctacaaa cacctccaac accaaaaact caacattgcc accgaagcat 60
 cttcatcggc aaaatataaa ctgaagctag ttcacagaga caaagtcccc acgtttaaca 120
 cctcccacga ccaccgaacc cgttcaatgc acgaatgcag cgagacacca aaagggtcgc 180
 cgccctccgc cgccgtctgg ccgccggaaa acccatctac gccgaggagg cattcggggtc 240
 ggacgtgggt tccggcatgg agcaagg 267

<210> 45244

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041463H1

<400> 45244

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 ggtgcagata actcttggtta ctttcgatga ctcttttggt gttgcctctc ttaaggctta 120
 tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
 ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctgggtg cagtagctgt 240
 ggcccatgca tttgcactgt ttgtaggtg 269

<210> 45245

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701041464H1

<400> 45245

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 atcttgacgc tctacttctt cttcttcgtc cttctaacct atatcagaag g 111

<210> 45246

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041466H1

<400> 45246

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aacaactcta tggtcgattg agtggggcat tgctgagctt gtgaaccacc cagagatcca 120
gcaaaagtta agggatgaga ttgacagagt tcttgagca gggcaccaag tgactgagcc 180
agacatccaa aagctcccat acctccaagc agtgggcaag gaaactcttc gtcttagaat 240
ggcaatccct ctcttgtac cacacatga 269

<210> 45247

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041436H1

<400> 45247

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gtttcgtttg tggttctggt tttagaatct cattgcttga aaataaacta ttgtactgaa 120
atgtcaagct tgtgtgttgt aataaacaag attacttggt gggtttatatt cggtttgtac 180
tcatgaagga aaccaacgtg tgggtataaca agataatcat taagtatcag gctatttcta 240
gtccaaaaaa taaaaactat agaaat 266

<210> 45248

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041407H1

<400> 45248

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aaagagaaaag cgactcaata ctgaagctcc caaggcttcg aagctcgttg cctcaaagaa 120
gcacaaacca gactccgttg ctaaagacaa caagaacaag aagacggccc ctcttaccgg 180
ctcctacgt cgtcttcatg ccaaggaact agcagatgct agacaaaaga agagaaagcg 240
acatttcact cttgagcaag agcttgacag tct 273

<210> 45249
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041409H1

<400> 45249

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 cgtatgcctg ccgtagaaag agcaagaatt atgatgaaat gggctgacct aattgaccaa 120
 cacgtagaag aaattgcagc actggatgcc attgatgctg gaaagttgta ccatatgctt 180
 aaggctattg aaattcctgc aacagcaaatt actatacgtt attatgctgg tgctgctgat 240
 aaaattcatg gagaggtatt aaagccggc 269

<210> 45250
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041410H1

<400> 45250

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 ggggcttgctg ctgcttggtt tcccagggtt tagagctcca aaccttcac cactcattc 120
 gtctccagat cttccttct agataacgtt ttcgggttcg agaaggcact tgtttgtttg 180
 tcgtacgaaa tggagactaa acagagttcg gtgatggta cgctcagta cggcgcttg 240
 acgtgcgccg cggaagttct cgcgactttg 270

<210> 45251
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041412H1

<400> 45251

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 tgggctgcgg cgtgggcccgg cccatgcggg ccatcgcggc ccactcccgc gcgaacgtgg 120

tgggcatcac catcaacgag tacaggtaa tgcagcacgg atgcacaaca cgacggctgg 180
 gttggactct ctctgcgagg tcgtgtgtgg gaacttcctt aagatgccgt ttgtcgacaa 240
 cagcttcgac ggagcgtact ccatcga 267

<210> 45252
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041413H1

<400> 45252

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 acggaggaca agctcaagga gcatttcggg aactacggcg acgttttgag cacttcgctc 120
 atgcggggaga agaacttgga gaaccaaggg gctttgggtt cgtcgttttt gcggatccta 180
 acattctaga tagggttttg gaagacaaac atgtcataga cggcagaacg gttgatgccca 240
 aaaaggcctt ctcaagagag gatcaac 267

<210> 45253
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041414H1

<400> 45253

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 tgggaaaggg cggtgccaag aggcacagaa aagttcttcg tgataacatt caaggatatca 120
 cgaaacctgc gattcgtagg ttagcgagaa gaggtggcgt taagaggatc agtggtttga 180
 tctatgagga aaccagagga gttctgaaga ttttcttga gaacgtgatt cgagatgctg 240
 tgacctacac cgagcacgct aggagga 267

<210> 45254
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041415H1

<400> 45254

ctgccaagga ataattggac aacacactac aagttgttta tagatttcct agtgcaaagg 60
gagcaaaaatt ctcattgttc attggcgtga a 91

<210> 45255

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041416H1

<400> 45255

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gagactggat catagcattg atgatagttg agagtgagtg agttaatatg ttatcattgt 120
tatggtgaaa gtgaaaccaa acaccgaagc tggtgagtga ttttcattga tccagatcgt 180
gtctgttcta cgtacgatgt acagcggctc cagcgacggc gaaagccatg acgcccctca 240
gagtcagagg aaaattccgc cggcatactc c 271

<210> 45256

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041418H1

<400> 45256

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atggccactt gtgttgatgc cccaaccctt ctttctcgga agcctagcgg gtcccaatcc 120
gatgatcgtt ctttcaatta catgaattct gccgaccac tttctctgat cgcgttcctt 180
gcatacccat ttgcaagaat cgtgacactg cttcacacg cgtggaggag tttgacacat 240
gtgtggagga tcatgatgat attgaggttg agg 273

<210> 45257

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041419H1

<400> 45257

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 ggctaagatg attccaacca agcccatggt ggttgaaact ttctctgagt atcctccctt 120
 tggtcgtttt gctgtgaggg acatgcgtca aactgtggct gtcggagtca tcaagagtgt 180
 tgagaagaaa gacccccccg gagccaaggt caccaaggcc gctgccaaga agaagtgatt 240
 gcatttgggc aattttgcta gcacatgtga t 271

<210> 45258

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041421H1

<400> 45258

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 cttgtggggg aggtactcta tggaaatgtc cgctgtcatt tacaaggact gggttttcac 120
 tgatcaagca ttacctaata atcttgtaaa gagaggagtt gctgttaagg acccatctgc 180
 tccccatgga gttcgtcttt tgattgagga ctatccttat gcttctgatg ggctagagat 240
 atgggatgcc atcaagtcct ggggtgaag 269

<210> 45259

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701041422H1

<400> 45259

cagaaccacc ccatcttcca cccttgcccc aatcttcac cgttcaattc gttgcctcac 60
 ggcaaagggt cctgaaattg agacacatag atggctctcg agtctcgcaa atcccataga 120
 tcaagatcag ccgtgtcaaa ttctgcaga gaacagcatc tcggggaaaa gggtcaccga 180
 aggagagctt gtggaagact tagtgattaa tcgctctcac gagcttctct tcacttgctc 240
 acccactctt ctcttgaacg gtttagctac cg 272

<210> 45260

<211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041423H1

<400> 45260

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 gcttggggcca ccgacagcga tgctctcgag aaagccttct ctcatatgg tgagatcgctc 120
 gaatcgaagg ttatcatcga tcgtcaaacy ggaagatcga gaggggttgg atttgtgacc 180
 ttcgcctcgg agcaggcgat gaaagacgca atcgaaggaa tgaacgggtca gaacctcgac 240
 ggctcgtagta tcacagtga cgaagcaca tc 272

<210> 45261
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041424H1

<400> 45261

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 aattgaagaa gatgccgatc agaaacatcg ccgtcggaag gcctgaagag gcgactcacc 120
 ccgacacgtt gaaggcggct ttggctgagt tcattctaac ctcatcttc gtgttcgccg 180
 gctcaggctc cggcatcgcc tacaacaagc tcaccgacaa cggcgctgcc acccctgccg 240
 gcctcatctc cgctccatc gcccatgcat tc 272

<210> 45262
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041426H1

<400> 45262

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 aaggactccc gttcacatca gtattgtggt tattggccat gttgactctg ggaagtccac 120
 taccactggc cacctgatct acagcttggg ggcattgacc agcgtgttat tgagagattt 180

gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gcttgataag 240
 cttaaggctg agcgtgacag aggaatc 267

<210> 45263
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041427H1

<400> 45263

gagaataaca gcacctcttt ctctctgtct ctctccctc gttgatccca aatctactag 60
 ggattctcat tcgatgcgat tcggccggaa gctttcgttt tgcggatttt ttttaattatt 120
 atttttcctg gctatcaggt tcggtgaaaa aaagctggac catgacaaga ctggatgccca 180
 agctcccccga gaaggtccta tattgtgcat caacaactgc ggattttttg gaagtgcagc 240
 taccttgagc atgtgttcta agtgcc 266

<210> 45264
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041428H1

<400> 45264

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 aaagccgtcg ataacagcgg gactgttatt gggatcaagt gcaaagatgg gggttatgttg 120
 ggcgttgaga agcttattcc gtcgaaaatg atgcttccgg gttccaatag aagaatacac 180
 tccgttcacg gtcactctgg gatggctgta gcaggattag cagctgatgg caggcaaatt 240
 gttgctaggg ccaagtctga agcaact 267

<210> 45265
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041429H1

<400> 45265

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 tatcgatctt cgatctctga aaatgagaga gtgcatttca atccacatcg gtcaggccgc 120
 tattcaggtc ggaaacgcct gctcggagct ctactgcctc gaacacggca ttcagcctga 180
 tgggcagatg ccaagtgata agactgttgg tggaggtgat gatgctttca acaccttctt 240
 cagtgaaact ggggctggaa agcacgtg 268

<210> 45266
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041430H1

<400> 45266

ccagaatcgg tgtaggttac aggtttaagg gttttgttt catttaggtc actaatccga 60
 tatcatgaag ctcgatacga ctagtctcga atcgtttccc aactgattg cacctcaaaa 120
 cgacgtcgcc ggagaactct ccgcgctccg ttctttgacc ttccgaattc caatgacttc 180
 gatgggttct tgaaagacgc tattcagatg gtgaagcccg cgaagggtac tacaactctt 240
 gcttttatat ttaaagaggg tgttatggta g 271

<210> 45267
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041432H1

<400> 45267

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 agcaattggc tgttcgatta cccgctgac gacgacgtta ctcccgtcgg cgacgcctcc 120
 tttccgtct ccgcctccgc cttctcctgg ccccatctc ccgccaatgt cagtgttgaa 180
 attgatgctt cgcttgcgga ttctgatggc cccaaagata ctgctttgaa gaaaagggt 240
 agatgtgatt caagtactgc ttctagctct aaagc 275

<210> 45268
 <211> 276

0953113-032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701041433H1

<400> 45268

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acggagctct aggactgctt attaagtagt ttattttaga ggctaactg agcttcgctg 120
caccatcact tggttctgct ggtggtagat ctgctagaag agcatttgag tttgggagaa 180
cctatgttgt caggcctaaa ggtaaacc aagcaactat agtctgggtg catggcctcg 240
gggataatgg ctccagttgg tcccagctat tagaga 276

<210> 45269
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041434H1

<400> 45269

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tcctctggga aactagtcct tggactatca tggaattact atttggtgac atgtcccaag 120
cttgagagga ttataaggaa gcatcttgag gatgtcttcg agaaggacag tggagtagct 180
cctggcatatc ttgactctt ctccatgac tgctttccta atggatgcga tgcgtctata 240
ttgttgaatg gagacggtga cgagaagcaa c 271

<210> 45270
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041435H1

<400> 45270

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agattatatt atgcgatgat tacgaaatta aggtagaaaa gcgtactaag ctgcaacgat 120
aataagagtg ctataagaca ggacgaggtg cagactttcg gttgtctgtc attctttttc 180
ctcttggcgt ggcatatggc tgtcagatgc aaacgccaa agcattatga cactgcaaaa 240

002220"ETT2560

cttattttgc aagattatgg tctatggatt t

271

<210> 45271
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041406H1

<400> 45271

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acacaaaacg acatcactct gattgtctca ttaacgtcgt caaaaatgct gcaaaccgt 120

ccggcgggct ccggtggccg cacggtgctg gtgggggtga agatggactc cccagcaag 180

gaattgctca catgggcttt ggtcaaagtt gcacaccctg gtgataccgt ggttgctctg 240

catgttcttg ggaacaatga aaccgtgaat gga 273

<210> 45272
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701041371H1

<400> 45272

aacacaacaa ggggtgtggt tagtattatt attcattgtc tggtgtcatg agcttcaca 60

agctcataat gtcgaatgtg ccactactct tggtgggtgt ggtgtttgca tgctcactga 120

ttggtcatgc ttcagcttct tgtcctatga ccataaggct atcaccatca atggattcag 180

aaggatactc ctttctgggt ccattcacta tcccagaagc acccctgaga tgtggccaga 240

tct 243

<210> 45273
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041372H1

<400> 45273

cactcgagcc gaatcggctc gagccacaat cctatcgac atctttcaca gttctacgat 60

ggacttttgg ggtgccgagg tacaggttgg agagtctgtt aaggtagacc cagccgaatt 120
 tgaggcatgc atacaccttt ccaggtgct cttggtgagg caaagataga taagcctgaa 180
 ccggtgggttc tctacatgaa agttggtgaa cagaaatttg tcttggaac cctttccagg 240
 gagaa 245

<210> 45274
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041373H1
 <400> 45274

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 cactctctgt ctctcgaaaa ttctcagttt gcagagaaaa tctgaatcat gtcgtggcaa 120
 gcgtatgtcg acgatcacct ctgtgtgaca tcgaaggtaa ccacctcact cacgctgcta 180
 tcacgggcca agacggcagc gtttgggctc agagtaccga cttccctcag ttcaaacctg 240
 a 241

<210> 45275
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041375H1
 <400> 45275

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 tagcaccaac agttccataa ccctctctct agcttccttc actcacttaa ttgtgacaat 120
 cccaattcaa ttcccatcag atgatgaact ttcaagcatg ttcaaacc accatcaaact 180
 tgttctatgt ttgttttgtc cttttaccaa ccatggcctt aggagattgc acttgtgaca 240
 c 241

<210> 45276
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041376H1

<400> 45276

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tgatcttttc caatggccac cttcatctta aggtctaaca aagcagtga tgccttttgg 120
tggttttgtc tgctactgat gttcataagg gtgcttccta tgattttgtt gttggtggcc 180
aaaaggggtg gagtgttcca aatgacccca gtttcaatcc cttcaatcaa tgggcag 237

<210> 45277

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701041377H1

<400> 45277

ctcatttcaa ctttaaccat caaaaccatc gctctctatt ttcgctcttt ctacctttct 60
ccgateccaa tcctaatct ttctctcttc aaactctaatt tttttcatct ggggagatcg 120
gctgacgaat cgagaggatc tatcgctcgc gagggattag ggtttcaatc gatcgcatca 180
catatcacia tcatgttttag ccggatgttc ggtaaaccta aacaggaaac caatgctggt 240
gcc 243

<210> 45278

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701041378H1

<400> 45278

cacagattca tggcttaaaa aaaaataatc acagattcat agtgatctca gtccttaaaa 60
aacagattca tagtgatctc attctcaagt gtattgaatt ttgcaataga gaatcatcaa 120
ataaacagcc acctgtacca atgtcatgac gtgtctgaaa acaagacacg cacctctcca 180
tatctttgtc accttactct atatagagcc accttagcat actgcataat cacagttttc 240
attcaaaatt c 251

<210> 45279
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041380H1

 <400> 45279

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 gaagaaagaa gaaaacaacc tcaacaaaca aacatcaatg gcaaacacgt attcgtggct 120
 cttcctcgcg atttgtgcc aacctttgtt cttctgtctt cgtcgccgac agcggacgcg 180
 ggagcgctgg gcatggaaat gacatggata cctccatgc ccatggaaga ggagtccag 240
 ctggacagcg agatca 256

<210> 45280
 <211> 103
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041381H1

 <400> 45280

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 gaggagttcg ggaaacccta actcatcttc cttcacaaca gaa 103

<210> 45281
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041383H1

 <400> 45281

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 aggttctccc ttcggccacc accgtcgccg ccgccggcta tcccaacgct tctctctctc 120
 cgctcgctga tctgtcgggt cttccgatct cgctgctgct gcctcggacg acgttggttc 180
 ggaacctgaa attcacgcgc tgatttcaga cgaagagcac gatcacgac acgatcacga 240
 tcac 244

<210> 45282
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041384H1

<400> 45282

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at ttggagacc agaagtagta ggccacttgg accagttcaa aggaaaatct gcaaaggagc 120
tggaagataa tgaagagttc tcaatgggtct catttctgcc ccggtggaga agttttattag 180
acttgtggtg atcaaagaga tcaaggggtgc acagtatggg gttcagattg agactgcggt 240
g 241

<210> 45283
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041385H1

<400> 45283

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gctgatggat ggcggtgatc ctaccaaact actcaaagtc catctagtca cctgcaccga 120
ctcggccgag ttcgcgctcc gagctcggcg ctgactcgga cctcgggtggt gggcctggac 180
gcggagtgga agcccgtccg aagattgttc ccgaggggtg cggtgctcca aatcgcgtgc 240
ggcg 244

<210> 45284
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041386H1

<400> 45284

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gatctaaata ataagagtct tggggagctg aagaggatgc tgaggcagtt aacgctaaat 120

gaaaaaccaa aatccaagac aatgatgtca aggatgtgga gaagaaaagg aattcatagc 180
 aggtattgcc acagaatcag attgatggct gaatgaatag ttatggaata aacttggaata 240
 tttg 244

<210> 45285
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041387H1

<400> 45285

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 tgcagtcgag tcctttgctc tggaggaacc cataaggatg gcctccatcc tcgagccatc 180
 caagcctagt ttctttccag cgatgacaaa gattggtggc acacttggtc caaagtcacg 240
 atc 243

<210> 45286
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041388H1

<400> 45286

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 tggaatgcaa ttacaagctc ctgatgttgg tggtggaaga aatcatccag aagcacttca 120
 gaggcctttt gagatggagt gaggtcaaaa aacccaaagc caatccatgc ttcaggtcac 180
 agccagggga tgtatgggtca agagctagac ttgggttttg ggtatagata gtgtactgtc 240
 at 242

<210> 45287
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041389H1

<400> 45287

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ccttctccgg ccaaattccc cgcggtttct cgaacttccg acgccatctc cgccacacac 120
agagagtga gaaggtcgtg acgatgagca acgtgttcga gggatacgaa cgccaatact 180
gtgagctctc ggcgaatcta gcgaaaaagt gcactgctgc tgggtgttctt aatggagag 239

<210> 45288

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041391H1

<400> 45288

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tgagaaatga tgggtggctat gaagtgatca aaaccgccat tgagaagttg gggaagagac 120
acaaggagca cattgctggt atggagaagg caacgagcgt cgtttgacag ggcgccacga 180
aaccgctgac atcaacacct tcttatgggg agttgcaaac cgtggagctt cagttaggg 240
tg 242

<210> 45289

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701041392H1

<400> 45289

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actacgtcac ataatcccgc tagaggacat ggccagactc ttcgccttgc acgacgtcga 120
cgtcatcatc atcaccaccg caataacgcc accgttttcc aaaagtccat cgatttagat 180
gcgagtcgcg gtcgccccat cagaacgcac gttgtcaact tccccgccgc acaagtgggt 240
ctccc 245

<210> 45290

<211> 235

<212> DNA

<213> Glycine max
 <223> Clone ID: 701041393H1
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 caggagagag ccatgtccat gcacgcctac ctgaggaaga ttattgggaa gctggttggc 120
 caaacactcc cattcccact gactgcgaga gcttctaaag cctctccctg cacgggtgtg 180
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttctt 235

<210> 45291
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041396H1
 <400> 45291
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 gaggtacgtt gagattggaa ggggttgctca gatcaactat ggcaaagagt acgggcggt 120
 cgtgatcatt gtcgatgtca ttgaccaaatt agggctcttg ttgatgtctc cgacatggtg 180
 aggtcccaag tgaacttcaa gaggtctctg ctactgaca tcaagattga tattaagagg 240
 attccaaga 250

<210> 45292
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041401H1
 <400> 45292
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 gaggttttgg ctgcacaagt gagccaagag aactttgcta agggactcat ataccacca 120
 ttcaccaaca tcagaaagat ttcagcacac atagctgcca atgttgctgc taaggcttat 180
 gaacttggct tggccactcg ccttctcaa cctaaagatt tagtgaagtt tgcagagagc 240
 tgtatgtata cccagccta cagaagctac cgatgaaaag tg 282

<210> 45293
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041403H1

<400> 45293

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 ttacgctctg ttgaatgaaa agctaaggaa tatgagaagg ccatggaagc attctaagaa 120
 caaacatgat ctctttgaat gtcttccgga cgatctcggt gttcttattc tttccaagct 180
 cagcgccacc gttcatctc ctccgattt catcaacatc atcttaacat gcaagaggct 240
 aaaccgctca ggcctgcacc gtcttggtgtt gtcta 275

<210> 45294
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041404H1

<400> 45294

attactttca ttattggtgg agatcaatta tcagtgcattg tttgcgtgtc ttcgtgtgga 60
 agattatatt atgcgatgat tacgaaatta aggtaaaaca gcgtactagc tgcaacgata 120
 ataagagtgc tataagacag gaggagggtga agactttcgg ttgtgctgca tttttcttcc 180
 tcttggtgtg gcatatcgct gtcagatgca aacgccaaga gcattatgac actgcaaaaa 240
 ttatttttga agattatggt ctat 264

<210> 45295
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041405H1

<400> 45295

cctgccgagg aaaagaaaga cagacaaaaa aaacagcgcc ctagaactgc tcttctttgc 60
 ttcggaagaa agagaaaaaac aaataacaat ggcgttcgct tctttcctcg gcagagttct 120

cttcgcttcc gtcttcatac tctctgctta ccaagaattt aacgaatttg gagttgatgg 180
 gggacctgca gcaaaagcac tcagacctaa gtttgatgcc ttacacatc gagtgcattc 240
 tcaagttggc tttcaacttc ctgagattga tctgaa 276

<210> 45296
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041370H1
 <400> 45296

cggctcgagg ttaaactgta catggtgggc gtattcattc cctttaacct tccttggact 60
 agcttgtgct gaatatgctc aagaggtgga aagtggcatg gcctcttggg taatgctggg 120
 tatatgatg gtctccgtgc tgtttttatt gctttgatga tcatcactgt actcaaaatt 180
 gagaggctgt tccataaaaa tgctccgatt atgacttgaa aatgaaatgt cattcaactc 240
 aa 242

<210> 45297
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041331H1
 <400> 45297

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 ggacccggcg gcatggccca acaagcgaac caacaatacg cacagcaaca gcaacaaccc 120
 tacatgatga tgccgccgca gcctcagccc tcagatgtgg gccacatcgg cccagcctcc 180
 gtcccagtcg gtggctcctc cgcaaccac cagcgccgat gaggtccgta ccctctggat 240
 cggtgatttg cagtact 257

<210> 45298
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041332H1

<400> 45298
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 agcaattggc tgttcgatta cccgctgac gacgacgtta ttcccgtcgg cgacgcctcc 120
 ttttccgtct ccgcctccgc acttctcttg gccacctcc cgccaatgtc agtggtgaaa 180
 ttgatgcttc gcttggggat tctgatggcc ccaaagatac tgctttgaag aaaagggcta 240
 gatgtgattc aagtactgct t 261

<210> 45299
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041333H1

<400> 45299
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 ttttaggaat ataagctgtc atgatccccg gtgccaattg gtttcagccc ccgatccacc 120
 taagccttgc aaggctgaga atcagattgt ccatactttt attggtatgg tgatggttcc 180
 aacacaactg gggattttgc attggaaact ttcactgtta atctcaccac tcctaattggg 240
 acttccgagt tg 252

<210> 45300
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041334H1

<400> 45300
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 tatcaatgga attttttttag acagaactcg gattcacagg gaaatctgat tgcataggaa 120
 caaaaaagac aacacctttt tatcttacac aagtgattat gtcggttgct gagaatgttg 180
 gggccaaaat cggttcttcc agtcaaaatt tggaaaacaa tgtagtgtca tcgaactcag 240
 gcgaggttga g 251

<210> 45301

<211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041335H1

<400> 45301

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 cattgccctc gccttctctg cgggtgtcac cctgtctctc tttccctac tgaccgtagg 120
 ggagctcgtg gaggagcagc cactatcctc aagtaccaca acggccagct cctgaagggc 180
 cgcacacccg tcaatctcat ctggtacggc accttcaccc cgatccaacg gtccataatc 240
 gtggacttca t 251

<210> 45302
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041336H1

<400> 45302

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 taacaactat gtattcaaaa taaggggttt taagtgtatg ctaaggaaat aattaataaa 120
 atatttgaat aaaattcaga aaagattgcc caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 gggggggccc ccgaaatcat ggaccttgta acccggggaa ttattccgga ccgggaattt 240
 ggggggta 248

<210> 45303
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041337H1

<400> 45303

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 ggttcccga gactcctgca gatgctgcca gagctggtct tattagtggg aaggataata 120
 tcattgatcg tagcattcaa gatcttatat taatgctatt cgacgtgcaa agaacttcat 180

ctatattgaa aatcagtatt tccttggaag ctcttttgcc tggagtgtg atgatattaa 240
gcctgaaga 249

<210> 45304
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701041338H1

<400> 45304

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gtattgacaa gtgcgtcaag aaaaacatcc aactctttct catccagaaa tgcggattct 120
cagaatccga agccttcacc ctccggttga tctcttcaaa acctacggaa gcacccttgc 180
cggtttaaga gcactaggcc atgatatcac cgcagaggag taccatgggt tcgtgcacgg 240
aaggctacc 249

<210> 45305
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041340H1

<400> 45305

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ttgcctgtca ctttcggagg ttgagagtgg cattgcaacc attaagcagt gtcttggtga 120
cctcccgttt tatactgtta ctaggaagga gacggtcagg aggcacgaa acccatacag 180
caggtgaact caaccactgt gtcttctagg aggcctgcta ttcttgaga tgggacctat 240
gccac 245

<210> 45306
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701041342H1

<400> 45306

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tagagagact agagtctcca ccaaccccag ttcagctcct gagagacttc atcacaccaa 120
acaagccatg cataatctcc acgccattac gcaactggccc gcaactctctt cctggaccaa 180
cccttcccac ctctcccaat ccctctccgg cgccaccgtc tccgtccacc tcacccccac 240
cggcgc 246

<210> 45307
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701041345H1

<400> 45307
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aggccttgca aacattctaa gaagaaacat gatctctttg aatgtctccc tgacgatctc 120
cttgtcctta ttctttctaa gctcgtccca ccgcttcttc tccttctgat ttcatcaaca 180
tcactttaac atgcaagagg ttaaaccggt taggcctgca ccgtcttgtg ttatccatag 240
ctgcctcta 249

<210> 45308
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701041346H1

<400> 45308
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ggagaaggac aggggtgaact gtccgttcta cttcaagatc ggcgcgtgca ggcacggcga 120
ccggtgctcc cggttcaca cgaagccaca attagcccaa cgttggttct gtcgaacatg 180
taccagaggc ccgacatgaa catgaacatc atcaccaacc ccgatcagcc ccagccccaa 240
tctctcgacc cc 252

<210> 45309
<211> 110
<212> DNA

<213> Glycine max

<223> Clone ID: 701041347H1

<400> 45309

ggctgccaag cttccctga ccattagcca gcatgctaga aaacaactgt ttagacaagg 60

aagcccctgg caagacaaca agatgagcat catctctctc ttccacaaaa 110

<210> 45310

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701041348H1

<400> 45310

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gacacggacg tgacgacatg gagcccggcg gggaggctgt tccagggtga gtacgcgatg 120

gaggcggatga agcagggctc ggctgcgatg ggctccgatc caagaccac gtggctctcg 180

catgctcaa caaggctaac tccgaacttt catcgacca gaagaagatc ttcaaggctcg 240

acaaccacat cggcgt 256

<210> 45311

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701041350H1

<400> 45311

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at ttgtgaac aattaagaaa atgcaataa ctgacatgaa gaaacataat ttggaagatc 120

tgccttccaa ttttagacgg ctttaagccat agtggttgat ggaaaacctg ttagagcagc 180

agtgactaga taccatctga agagactagg gatacaggct aaagttgcaa atagcttcaa 240

taaggctg 248

<210> 45312

<211> 247

<212> DNA

<213> Glycine max
 <223> Clone ID: 701041351H1
 <400> 45312

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 gggttttcag atcatagtgt gtgtgtgtgt gttaaacaat ggctaagttc tttgctgcta 120
 tgatcttggc actcattgcc attccatgct tcaaacagtg gttatggctg ctaatgagca 180
 aggaggccac ttgtatgaca acaagagcaa atatggaagt gggagtgtca agagatacca 240
 atgccca 247

<210> 45313
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041356H1
 <400> 45313

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 cctttgtggt ggaacgtggt ctgttcatcc tcctcagaaa atggagggtc gaatcaagat 180
 cctcttcact tcaatctgcc acaccgatct cagtgccttg caaggcgaga atgaggctc 239

<210> 45314
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041357H1
 <400> 45314

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 aaattcgcga cttcggcgac gtcgtttcgg gcgataatgg ggtctccgtt gatgcttgag 120
 cctctgcaat tgctgcctat cagactcgcg agtaaagca acccattaag agaagaagaa 180
 gaatggaggc aacaacgctg atgctaaaat tggcatcaag gagttggagt agagagagag 240
 aga 243

<210> 45315
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041358H1

<400> 45315

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 tggccatgtc gactctggga aatccactac cactgggtcac ctgatttaca agcttggagg 120
 cattgacaag cgtgttattg gaggtttgag aaggaagctg ctgagatgaa caagaggctc 180
 ttcaagtatg cctgggtgct ggacaaactt aaggctgagc gtgaaagagg aatcaccatt 240
 gata 244

<210> 45316
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041359H1

<400> 45316

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 agagctttcc ccattcaatc aaaccacaaa aatggagggtg actgttttca ctccctgcact 120
 ggaaggaatt aagcttgtaa aatcgagcaa ggagaaattt tgacctagcc tttcttggat 180
 gcttgcaagc atatacttcc tggtatagat aagtttggag ctgctatggc ccttggttaa 240
 tctgac 246

<210> 45317
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041360H1

<400> 45317

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 tgagcccata tctagtgttt ttgtgaactt ggtaaatgct gatttcactg ccaagcaaag 120

agggatcagg ataactgagg aaagggttatt cttgatgggtt cacctgagaa tccactggaa 180
 ttcgttcagg tgcagattgc taatgtggaa tctcgatttg ctagtgccat atcagattct 240
 gggga 245

<210> 45318
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041362H1
 <400> 45318

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 ccaccattca ccactttctc ttcacaaggc aaatctaaca agaaaagtag tctctgaagt 120
 cgatccagtg ccttgtgaat ttggaatggt ggtgaattta gatctaaaag ccatagcaat 180
 gtcttttatc ggtaccagc aaaagtcaa ggcttgtgag aaaacggttt atcccgttga 240
 tcagctttct gc 252

<210> 45319
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041363H1
 <400> 45319

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 agaatcatgc acaacttata atatgttgaa gggttcgctc cacctgttta aatggaccat 120
 agaagtctct tatgcagact attacgacgt gccttgacca atgggtgtgct cagcattcaa 180
 agaggaaccg atcctggagt gatgatttat atgcttcac taggtcttgg ggtctccaag 240
 gctaaaactt a 251

<210> 45320
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041366H1

00220"ETFE560

<400> 45320

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ttttctgtgt ggtcttcaag ctcacagcag cacgtgtcag ccaactggagg aaactgaaag 180
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<210> 45321

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701041368H1

<400> 45321

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cttatagctc cagaacaagg atatcgctgt ctaattgaat cttctctaata aactattagg 120
ggccctgctg aggcagctgt tgtgcggttc actcgctgtt aaaggacttg gttcacaaga 180
ctatcagtga gactttggac ttgaagcagt atcctgggtct ccgggttgag gttggggctg 240
ctgc 244

<210> 45322

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701041330H1

<400> 45322

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aggagatggt aaagagtatc ttggtggcaa aatgatgctg aagccgctga agaagatgag 180
tcaccctttg aattccgggc cctggaggtt gctttagaag ccatttgtag ttttcttgct 240
gcacgtacaa cagaa 255

<210> 45323

<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701041293H1

<400> 45323

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acgcgcaaaa gggttgtctc ctccggaacc tgaacattat cgaggaccaa aactgaaagt 180
ggcaattatt ggagctggac ttgcaggcat tccaactgca gtggaactct tgg 233

<210> 45324
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701041294H1

<400> 45324

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acttttagtc accgccatgc tgtagttcac gatcagacaa caggagagaa atattgtccc 180
ctggacaatg ttataatgaa ccaagatgaa gagatgttta ccgtagcaa tagtt 235

<210> 45325
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041302H1

<400> 45325

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agctctcact gacagcttgg atttgtgtga tgggtattat tgagggttca atcgcatccc 120
ttatatttga acgagacttc agtgtatggc cataggctgg gactcaagac ttcttgcttg 180
tgtttactct ggggtgattt gttctggaat ggcatactat gtacaagggg ttgtaaccag 240
ggaacgtgga cca 253

<210> 45326
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041303H1

<400> 45326

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 tttttgtgag ctttataagg agtacactgc cccctgggga ctgctactac aaacatgcaa 180
 gagagggcaa aatcaaataa gaggtctaata gcagggctctg acaaggagga ggaagcccgg 240
 gaccctaatag ct 252

<210> 45327
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041304H1

<400> 45327

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 gcccaacagg taagttggaa aaaaatggcc atgacaagac tgggtgccaa gtcctcctg 180
 aaggtcctat attgtgcac aacaactgtg gatttttttg aagtgcagct accatgaata 240
 tgtgttctaa atg 253

<210> 45328
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041305H1

<400> 45328

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accagcagag gctgatcttc gccgggaaca gctcgaggac ggacgcaccc ttgctgacta 180
 caacatccag aaggagtcaa ctctccactt ggtgttgctt cttcgtggtg gtatgcagat 240
 tttcgtgaag actc 254

<210> 45329
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041306H1

<400> 45329

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 cctgatttgg atgagactgc ttctctgtt ctgaggacgg ccttggcatt gagaattttc 180
 aagtttctgg tgatgctatt cctggagaaa agcttcttgg atgtggatat ccagtccgtg 240
 gaacttctct tt 252

<210> 45330
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041308H1

<400> 45330

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 gggctgttca actaggtatt ccagactaat acagaaccat gccaaacca tttctctttc 180
 tgacttggtc tctactcttc aaattccacc agctaacgct gcttttgtgc agcggttcat 240
 gcgcttcttg 250

<210> 45331
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041309H1

<400> 45331

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 aagaaacgac gtcgatcgac tacgtgtgga ggctgcatct gggccccact tctccggcct 180
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 cctaaccct 249

<210> 45332

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701041311H1

<400> 45332

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 agccagctgg attcaaacia gaaagaatgt cgatccagtg caaggtgtgc atgcaaacat 180
 ttatgtgcac cacatcgga gtgaagtgtg gggagcatgc tgaagccaaa caccctaaat 240
 ctgatgttta 250

<210> 45333

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701041313H1

<400> 45333

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 gtcgaaaccg aaatcaaatt gaaattccaa atgcaacaaa ggattcgctg acagctatat 120
 gctgttgaat cctgaagacg ctcatctctc gatcttggtc atgtgctgta ttcccgtaac 180
 ttgggaaacc gaaaatttgt ggacagcaat gctgagggat cttatgaggg aagcttccgc 240
 caaagatg 248

<210> 45334

<211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041314H1

<400> 45334

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 atggacttct ttactagaga cataaatgag gattctatgc ttagatgccc attcttgagg 120
 aacatcaatg agcctactaa cttctcatct cttcaccttt ggctttacca atgcctgttc 180
 gtggagctaa aggtccaatt tttgaagatg gtcccaattt tgatttggca tttaggcttt 240
 tccacgggag tgat 254

<210> 45335
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041315H1

<400> 45335

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 gttcctttcg gtttccggag aggcctcaag ttcgtctggt gttgttaatt taactcaaag 180
 acgctcctcg gtgaggccac tcaatgccga accgcaacgg aatgattctg ttgttctctc 240
 tgcagcaact atcgttgc 258

<210> 45336
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041317H1

<400> 45336

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 ctttctttc tttcaattag gacatcatat atattatata aaattaaata aataaacact 120
 agtcagtagt agtgactagt gcccaagtga agtggtgtca ggtgtggttg cttagctttc 180

0022E0"EFFE56

cctgtgtata cttatttagt cctcagcttc actccatctg cagggttgct tggttggttg 240
gtgatgcatg catg 254

<210> 45337
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701041318H1

<400> 45337

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ccgaatcaag gatatacagg aggctgcggc taaggctctc gctcaacatg gttcctccac 120
caccaacatc tccaatttgg ctctcaatgg acccaciaat tcaactagta gtttcttctt 180
ttcaattatc tgcacttaac ttatcaaagc tcaacttgca tacatgacat taataaaata 240
attgggtaag tgt 253

<210> 45338
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701041319H1

<400> 45338

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cgaaattcgt atgcgaagaa ggaggtaggg attcgcgctc ctgctttctc agactgccta 120
attatctttt attctgcgaa gtaactggag attgaagatg ggaggagatg attctggttt 180
ggagagtgc aattttgatt ggaacactga agatgagctt gaaattcaga actataactc 240
gtcgtcttca tg 252

<210> 45339
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701041320H1

<400> 45339

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 caaacgtcga gttcgaattc aacggttggg acttgaagaa ggcgttgaaa gaactgaagc 180
 gtactgaagt tctggttgct gttattatag gaattgttat aagttgagga ttcagacatt 240
 ggagggttaa 249

<210> 45340
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041321H1

<400> 45340
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 actctttccc tgctggcttc atcttggggc tggatcctca gcctaccagt tcgaaggagc 180
 agcaaaggaa ggtggaagag gaccaagcat atgggatacc ttcacacata accatccaga 240
 aaagataaga 250

<210> 45341
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041322H1

<400> 45341
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 tgaattgctc tgaaagtggc tcagtcgaac aacgaaaacg atgtcggctc gattgatgaa 180
 gaaggttctg aacgaacagc atcaccttcc gcaacacgtg agcggagaag aagaagaaga 240
 agaagaagag 250

<210> 45342
 <211> 246
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041323H1

<400> 45342

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ccattgtgga ttcttggcga tgttttcatg agggcatatc acaccgtctt tgactatgga 120
aatctccaag ttggctttgc cgaacagtct aattacgctt tctggaggat tttctttgta 180
aatttgtaa gcgtgttgta aataagctgt tataattgta gctctgggta ctttttgaaa 240
ccacga 246

<210> 45343

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701041325H1

<400> 45343

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tgagctggac ctggaccaac cactggatct actggccggg cctctcatcg gtggtggaat 180
cgctggcctt gtttacgagg ttgtctttat cagccacacc cagagcagc ttcccaccac 240
tgactactag aggggggg 258

<210> 45344

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701041326H1

<400> 45344

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gtttatctag ctcgaggcgt gcgcagatgc tattcatcct tatggctatt ccaaggaaag 180
atgtgtttgg tccttgatat ctgctgttgg gatattttgt cttggttctg gtgccaccgt 240

tgttaa

246

<210> 45345
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701041327H1

<400> 45345

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ccaatgacct tgctgcttct ctactacat tgcaggggtct tgagggcatt gtgggcaaag 120
ataagcttgt tgtgtccacc tcccctccct tcttcacact gctgttgatc ttgttaacga 180
gaccaagttg gatgacgaga tcaagtcatt gctagcattt gctgcacaaa aaattgttga 240
agttaac 247

<210> 45346
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701041328H1

<400> 45346

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agtttttgaa cccaatatt aactaactga gtgggctaaa ggcaaacatt tctaccttgg 180
tgactggctc tattttgtgt acgataggaa ccaagcgagc gtgttggaag tgaacaagac 240
agattatga 249

<210> 45347
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701041329H1

<400> 45347

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0053113.032200

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ccagagattg cagaatcttc aataccttca gttttcccaa cacctatgtc agat 234

<210> 45348
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041292H1

<400> 45348

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tttttcagtt ttgtttttct tttttctgat agtttgtttg ttaaaactatt tgggcacttc 180
ttcagaacca ttttcttccc aacatatgga gtt 213

<210> 45349
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701041265H1

<400> 45349

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tccacctctg cttggtacag gagtaccatt cccagatgg caatggcagg atttcttctt 180
tttagtgcca tctacataga gctgtactac atttttgcca gtgtatgggg ccacagaa 238

<210> 45350
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701041266H1

<400> 45350

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 ctttcaaaat atgcaaaagt tgtacatgta attaagatga cataggtaag gaaaatatcc 180
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<210> 45351
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041267H1

<400> 45351

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 aaccacgcta caagaacata gtcacattc ttacaggcaa caaatgtgat cttgagaacc 180
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<210> 45352
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041268H1

<400> 45352

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 tccgacccca tctctccgtt ctcaccaaag acataaccat caaccaacaa aacaacacct 180
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<210> 45353
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 <212> DNA
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<223> Clone ID: 701041269H1

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<210> 45354
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 <212> DNA
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<223> Clone ID: 701041270H1

<400> 45354

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<210> 45355
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 <212> DNA
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<223> Clone ID: 701041271H1

<400> 45355

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 tgcttacaac acctacgtctc tctctctctc tctctctctc tctcttcagg ttgggaatta 180
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<210> 45356
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041272H1

<400> 45356

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gcaggacctt cgatcgacta cgccggcttc atcgccgtca tatttggcgt cgccggcgtc 180
atgttcaggt aaaaactgag ctcttggctg gcgctcatat tctgcgcgca atccgtcg 238

<210> 45357
<211> 237
<212> DNA
<213> Glycine max
<223> Clone ID: 701041273H1
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tttcatatgg aaaaaatgat ttcaattgaa tatgtgaaac tgtgattagg ataatttgtt 180
ttgaactatg aactaaaatt aatatatatt tttttctgat aaaataataa aggggtg 237

<210> 45358
<211> 234
<212> DNA
<213> Glycine max
<223> Clone ID: 701041274H1
<400> 45358

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cttctccgt tccaagatcg gagaaacttg cgggtcagac aacaaatgcg acgctggact 180
cagctgcaa acatgtctg ccaatgggaa taccggaacc agatgttcgc ggat 234

<210> 45359
<211> 233
<212> DNA
<213> Glycine max
<223> Clone ID: 701041275H1
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002250-03200

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tactgcatga tgttcttggg attgctatgg aagagaaaag ccaacattat tgt 233

<210> 45360
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041276H1

<400> 45360

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aaaatctagt caatctctcc gcaacactca tatatccacg acacctcaca cttatggatc 180
ggaggagaaa cgcgagtccg gtgtacgccc ggcagtggag cggcggttcc agcagc 236

<210> 45361
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701041277H1

<400> 45361

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gagttccttg gattatctct tggcagtggg gtacctgcca gcagtgcaaa tgggtgctcg 180
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gcagcag 247

<210> 45362
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701041278H1

<400> 45362

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 tgatgggtgt gtggaaactt tggccagaga ttattcccta ctattgttta gcaagagttt 120
 gaaagttcag ttttctgatg tgagtactcg aggaggtgaa cttgttaatc gtgtgagaaa 180
 ctgcctgaag atatttggcg tggagagaaa tgatcttgat aaatctactg ga 232

<210> 45363
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041279H1

<400> 45363

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 ctctttacga tgagatgata tacacagcaa tcggagctct gaaggagagg gatgggttcga 120
 gcaagcgagc ataggaaagt acatagaaca agtctacaag gaccttcac cactcaccc 180
 tgctttgttg actcaccatc tcaaccgatt gacctctctc gcctctctcg tctctg 236

<210> 45364
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041281H1

<400> 45364

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 ctgcttcag tcccttccct caactcacac tctcacctct tcattccttc cactacctct 120
 cactcgtgcc caccactctc aaaccccaca cttctctctc cgtatacatc tcttgctta 180
 ccctcgccgg caacttgctc tacactggct cctccgacag agacatcaga tcttggaac 239

<210> 45365
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041282H1

<400> 45365

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 caggagtgtt gaaaaccttg aggggaacgg tggccctgga accatcaaga agatcacttt 120
 cgttgaggtg gagaaagcaa gtttgtgttg cacaaaatag aatcagttga tgaggcaaac 180
 ttgggataca gctatagcgt agttgggtgga gttgggttgc cagacacagt ggag 234

<210> 45366
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041283H1
 <400> 45366

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 cttttgtttc acattagctg tttttgtttt tgtcttagtt ttacaccttt cctcatttcc 120
 gcagtagaac ctgcgaatca actctctgag aaaaaaatg gcgtcgaacg ggaatggcag 180
 cgttgcgaac ggtaacggga gcgctaggaa cggacttgcg aagattcaga cgc 233

<210> 45367
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041284H1
 <400> 45367

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 aaccctaggc acgttcgatt tgatgctctc ccatttgcaa tcaagggcga gcgcattcgg 120
 ttcttgacgc aaggctggta ctaccgctgc atcggcctcg atccctgaat tcatcattct 180
 ttctgcgacc atctttttct attccgattc gatttgttgt tgttgttgtt gttggtt 236

<210> 45368
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041285H1
 <400> 45368

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 gaaacatcgc cgtcgggaagg cctgaagagg cgactcaccc cgacacgttg aaggcgggctt 120
 tggctgagtc atctcaacct tcatcttcgt gttcgccggc tcaggctccg gcatcgcta 180
 caacaagctc accgacaacg gcgctgccac cctgcccggc ctcattctccg cctcca 236

<210> 45369
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041286H1

<400> 45369

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 tgggtgggggg aactgggtac atagggagga ggatagtgag ggcaagcctg gcaactgggcc 120
 atgagactat gtggttcaga ggccagagtt gagcctccag atagagaagc tgcagaggct 180
 cctctccttc aagaagcaag gtgctcatct cattgaggcc tctttcaatg atc 233

<210> 45370
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041287H1

<400> 45370

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 ccattcacca tctgggtattt gccatcacat ggagctgtcc accatggagc ctgccgtggt 120
 gccgcagacc catcttaata agtggcaaga atgggtatga tttcaaatct gtgaggagat 180
 ggaccagcca aaagaaattg ggatatggcc tacatgaatg tgataaaata ttt 233

<210> 45371
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041288H1

<400> 45371

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 agaacttaca gaagctatatt cactcaatcc tacctctgcc ataatgtatg gaactagagc 180
 cagtgtttac atcaaaatga agaaacccaa tgctgcgatc cgtgatgcaa atgctgc 237

<210> 45372
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041289H1
 <400> 45372

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 gccggtgggt ggttcctgtg gatgcatcac cgattggaaa tggcttcgtt ggcaagataa 180
 cgctctcagt tatcatcact tgcacgttg ctgcatccag tggactcctt ttcgga 236

<210> 45373
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041290H1
 <400> 45373

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 ggaactccaa gagactgttc aatatccagt ggaacaccct gaaaaatttg agaagtttgg 120
 aatgtacctt cgaagggagt cctcttttat ggacctcctg gttgtggtaa aacgcttttg 180
 gctaaagcta ttgccaatga atgtcaagca aacttcatta gtgtcaaagg t 231

<210> 45374
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041291H1
 <400> 45374

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 taccctattc tacatgaggt cctgtccccg tcctccggt gaacatacta tgaatgcat 120
 gcagcaactg tttatgattc ttcaaagcac aatccaatgg aaatgcagaa acctaataaa 180
 ccaggacata gtaggcatgg cagtcgtcag tttttgtcc cagagccatc a 231

<210> 45375
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041264H1

<400> 45375

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 aattcgcctt ggttttgagg gatatagaaa cgtgatggaa aactgcagag acaacatgtt 120
 ggtgctgaaa gaggactaga gaaaacaggg agattttcaa ttgtgtccaa agacaatgga 180
 gtgcctttgg tggcattcac actgaaagac cacaccact ttgatgaatt ccaaat 236

<210> 45376
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041235H1

<400> 45376

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 ttcaccccaa tggagtttgg gtttttccgt ggcttgctg agaattcttt tatactggac 120
 atcattggac aaatgctttt cttgtagata ttgtcttgca attctttgtt gcttatagag 180
 acagtcagac ctatcgtatg gtctacaaga gaaccctat tgctctgcgg tatctgaaa 239

<210> 45377
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041236H1

<400> 45377

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 accctgtctc atccatcaag cttcatgcac atgaagctaa gtttcttgct tctaagagga 120
 attgggagtt tgggtgtggtg ttctctttta tgaccgtctt tacggcggtt taagcctatc 180
 tgatgcaatt ggattcaaag gttgcaggga aattgaaggg ccttatgacg attaccttga 240

<210> 45378
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041237H1

<400> 45378

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 catggctgcc attactgac aatggatgca gttctatcaa caacctctaa tggatagcca 120
 tggccatgat atcatgcttt ggcaccaatt tccacagaat taggcttctc tgatgcaacc 180
 gtgactacga caactagttc tcccaccccc accatgccat catcagagag caatag 236

<210> 45379
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041238H1

<400> 45379

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 tcgggttcgg atcctgcgcg tcctcttctg gctaactgtg acaataactc cgccgagaac 120
 ggtggtcaga gaaccggctc agtcgccgga tatcggttag ctgcgaaga ccttttttaa 180
 ggtcaaagtt tcccgacaag gtccgttctg gccttgactc cgagtctccc ttcgacgttg 240
 a 241

<210> 45380
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041239H1

<400> 45380

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 tgttccaatt gattgctgag gaagagctcc gaagaagaca gccacgcaa taccgagata 120
 tgacagagga gtctaaaagg atcttttggt caagatTTTT gatgttgata agcaaagata 180
 catttatgcc cacgttgcag ctttcgaaaa aagtgaaact gaaaagatgc agaatgctca 240
 a 241

<210> 45381

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041240H1

<400> 45381

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 gccgcggatt taacgtactg ggagagtgcg gcacgcatga ttgctgatgt atccaagagt 120
 gacaagattg tggtagagaaa tccactgtcc ctgtgaaaac tgctgaggcc atagagaaaa 180
 ttttgactca caatggcaag ggaatcaagt tccaaatcct ttcaaaccct gaattccttg 240

<210> 45382

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701041242H1

<400> 45382

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 aaaggggtgt tctgtgtgtg tttgtttgtt ttcattctcc ttcattgataa ttgtttgtga 120
 gaaatgggaa ttcgttttca gcatgtgtgt ttagttggca agaaaacatg agaaaagcaa 180
 ttttgatttt tgaattttcc gtttttagtaa tggttaaagg tagtcaatag tcatcactt 239

<210> 45383

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041244H1

<400> 45383

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tgattgtaga gtttgtaaag tttgatttgc tgatcccatt agatgggtgtg ttgtaatttt 120
gtttgtatca tctttgtata tttgcttttt ggttaaccta ttgacttcac aaagtttgga 180
aataatgtac actcggctat ctgtggtttc ggagtgaaga actgagcaga aatatg 236

<210> 45384

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041245H1

<400> 45384

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acagggttcc tttaatctcg ttattcctct tcactcccaa actccgttca ctccaacaac 120
actctgattt agaatggatg gaccagctgg tcgaggtggt gctggactgg acatgtttct 180
gccaaattat aaattgggaa aaacacttgg gattggatct tttggcaagg tcaaaat 237

<210> 45385

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041246H1

<400> 45385

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cagttcttgg cagcagcgag ggtgtcactg gaactatttt cttcactcag gagggaaatg 120
gtccaaccac cgaactggat ctcttgctgg tcttaagcct ggtctccatg gcttccatgt 180
ccatgccttg ggggacacta ccaatggttg cctgtcaact ggagcgcatt tcaatcc 237

<210> 45386

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041247H1

<400> 45386

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tcttctcctt cttccaatcc ttaaggaaaa aagaaactaa agaaaaaaag tgagccatgt 120
caggcttgta taacccaact tctctcctgc tagagctgct tctcctcaga ttaggagcaa 180
tccagaagtg gacagccagt acctaccaga gttgctggca gaacatcaga agcttggacc 240

<210> 45387

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701041248H1

<400> 45387

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aacgacgtca agaagttcct ttccgacacg cagtccgaaa tcataatcct ggagattaga 120
accgagttcg gccagaggac cctcccgaat tcgacaagta cctggaggaa cagctggggg 180
agcatctgat ccacaggac gacgccgttt tcgggaagac cgtggcggag ttgttgccaa 240
a 241

<210> 45388

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041249H1

<400> 45388

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ccatggtgag ggtagtggtg ctgaacgatg ctctgaagag catgtacaat gctgagaaaa 120
ggggaaagcg ccagtcatga ttcgccatc ctccaaagtc attatcaaatt tccttttggg 180
gatgcagaag cacggatata ttggagagtt tgagtatggt gatgaccaca gggctggtaa 240
aa 242

<210> 45389

<211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041250H1

<400> 45389

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 cgacgcaaaa gctctcaaat cggttcggtt cggtttccgg agaggctcgt tgtttcgtct 180
 gttgttgta atgtaactca acgacgctcc ttggtgaggg cactcaacgc cgaaccgca 239

<210> 45390
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041251H1

<400> 45390

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 ggaactgctc ggtctagaaa gccctgcccg ccaccaccac caccaacaac aacaacaaca 120
 acaactgatt gagagattgc taggatctct tccccttctt tccggagcaa ggaattcaat 180
 aggattggtg atttgaatcc tactaacctt gatgacctgt tattagcatc tgccgaccct 240

<210> 45391
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701041252H1

<400> 45391

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 agatcttgaa ctttctggca agaactcaga gcacttactt cttgcagcat caaaatgggc 180
 ttctctctgt taccaaaagc aactccttgc attttgttct tggctctgct gttttgtac 239

<210> 45392
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041253H1

<400> 45392

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 cgcgctctct ctttcacaac cttcacttta ctctctctga cagctaaaat gcaaggagga 120
 tttcaatcat tttagtcaca cgggaaatgac attagaaatg ctgttctaca acgggtgcgc 180
 atgggtgaacc cctgtttaca gccaatgtgc tcttcgcggg ttgaatctgt tacacctgct 240
 cg 242

<210> 45393
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041254H1

<400> 45393

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 tgaagcaatg cgtggcaaga acctcttctt cagcactgat gttgaaaagc atgtctttga 180
 ggctgacata gtgtttgtct ctgtcaacac ccaaaccaaa actcaggg 228

<210> 45394
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041255H1

<400> 45394

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 tgcaaagcta cttttctctg tttggggata aataaaatgg gttgcttttc atgtttcgat 120
 tcgagttcca agaggatcac aatctccgac ctcagcacca acccaatcaa cctctccctt 180
 ctcagatttc cagattgccc tctggagcag acaagttacg gtccagaagt aatggaggt 239

<210> 45395
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041256H1

<400> 45395

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 gttaaacaac cgtgttggag aggaagtact acaaggactg cccaggttgt aaagtggatc 180
 aagccaaaga gttgagttag ggaaagggtg tacctgttaa aaatcttttt atcatgtgga 240

<210> 45396
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041257H1

<400> 45396

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 aattgtgggt gaggattaaa gtactgttat tggtagagat ggcattgagg ggatgctggg 180
 aatgcctttt gaagcttttt aacttcatat tgaccctcac tggctcttggc attgtgg 237

<210> 45397
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041258H1

<400> 45397

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 ctctgttccc agaaacattg atgattggaa tggaacttag agacaaagt actgagtacg 120
 tcaaggagcg atttcatctt taagggtagc aaatcctggg caataccaaa atgtttctgt 180
 ggtgcgaact aactccatga agtatattcc taattacttt gagaaaggaa cgctct 236

<210> 45398
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041259H1

<400> 45398

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 gttcttccca agatcaagaa ggtttttgag aagaatagca ccaagaaagc tgctgctgct 120
 gaggccacca agcctttgat gagtcaaagg aggaatacaa caaagccttc gaagaaaaga 180
 agactgaact tcaaactaaa gtagttgaaa tatacgaggc ttcatacaact gaaatcaaaa 240

<210> 45399
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041260H1

<400> 45399

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 ccactgctgg caagaccaat gttgggtgctg gtcgggttagt gcttcagcct cagggtcttg 180
 ctattcctca ttattcagat atatccaaag taggttatgt gttcaaggg aacgat 236

<210> 45400
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041261H1

<400> 45400

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 gttacaatct catctagtgc tottaactct gaagaagcta cttcaaaact gcagaggaag 180
 ctggaggatt ttcattctcc acagcgtcaa catgtacata ttccaaacca tatcatt 237

<210> 45401
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041263H1

<400> 45401

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 aggtcggggc cacaacctcc gatgtaccgt ccgccaccgc caccgtcacc gatgtaccgt 120
 ccatcaccgt acaacagaat cctactcctt cttcaggact tggcgtagg gttggtataa 180
 agccggaaca taggatcaca ccgccgcctc atttatcatc acttgctgga gataatcc 238

<210> 45402
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041234H1

<400> 45402

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 gaatccaatc cctccccctt gaatttgatg cctcctcgca ttcaattcca cgctctggtg 120
 gcatcatcat catggtcgtg gtaataacaa caataacggc gttgttgttg ttgtcgtttg 180
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 tgc 243

<210> 45403
 <211> 244
 <212> DNA
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<223> Clone ID: 701041205H1

<400> 45403

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 cattttatca ggatcgacct gatataatgg caaaatatac agttcgcatc gaggcagata 120
 aatcactgta tccagtgtat tgtgcaatgg caacctagct gaacaagggtg acttagagga 180

tggcaggcac tacgctgatt aggacgaccc cttcaagaac ccttcgtatc tgtttgctt 240
ggtt 244

<210> 45404
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701041206H1

<400> 45404

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cttcttgtaa acagcgggtgc cagggtgttaa tctagaagtt gatataggat gggggcaatg 120
atgtcgaggt tctgggttctg ttattccctg caaaagagta taagattgtt gttgttggat 180
tggataacgc tggaaaaacc actacccttt ataaatcgca cctgggtgag g 231

<210> 45405
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041207H1

<400> 45405

cgactgctag ttcaagtcca gaacatccat cattgcgagc tcatggacgg tccaagctta 60
gtgggtgacag gacttctttt agagatcttg ttgatgacca gtctacacta agatccagct 120
acaagtcaga tggcgcttcc tcatcagaag ctctgtaggat acgaagaaga agtatcagca 180
ttacaccaga gattgggtgat gatattgcta gggctgtacg ggcgatgaat aaaacgctaa 240
agcaa 245

<210> 45406
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701041208H1

<400> 45406

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 accttctgat ccatcatcct cgttttctcc gaacaatggc tgctggtgtc actgtcaagt 180
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 tgggttc 246

<210> 45407
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041209H1

<400> 45407

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 aatagaagaa aggattatcg agtcgcattg tcgattcaga gaaaaaaaaa ttgaattcaa 180
 tctgatagat cctatcacag caaaaaaaat tggattgaat aagggtgttc cgatttcaaa 240
 aacaatcac 249

<210> 45408
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041210H1

<400> 45408

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 aatggcgtcg aaaccgaaat caaatggaaa ttccaaatgc aacaaaggat tcgctgacag 120
 ctatatgctg ttgaatctga agacgctcat ttcttcgac ttgttcattg gctgtattcc 180
 cgtaacttgg gaaaccgaaa atttggtggac agcaatgctg agggatctta tgaggggaagc 240
 tt 242

<210> 45409
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041211H1

<400> 45409

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 tgttggtcga acccatttgt gaagttggtg caccgtttgt acccagagat tgatccagct 180
 ctgaaccctg accacgtccc tcacattctg aagaagtgcc ctgatgccat tccagaccct 240
 aagg 244

<210> 45410

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041212H1

<400> 45410

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 caggaggtag tgatgatatg gaggtctctt tgctttgaga aataagactt tgttttatgc 180
 ttctcgtttc gtgttttcgt ggtttttatt ttatcttatt ttatttctca agccttttaa 240
 tt 242

<210> 45411

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041213H1

<400> 45411

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 aatttcgcag attcaatctt cagacttttc ctcttctg agctcagggc aagatcaccg 180
 ctgcttccgg gctcctcgt gacgctgatg attcattttc aaaacctgta tctggttctg 240
 at 242

<210> 45412
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041214H1

<400> 45412

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 gtgaagggac aaggaaacat agagtctcgt tgggtcaata cacttgtgca atttggccac 120
 tatgaacaca gggcttctgc aggtgcagcc ttgcttgac tcttggtat caccttctcc 180
 ttgttgagcc ctcaaaccct gttttctccg cctgagattc cgggctcgaa ggaccacctt 240
 c 241

<210> 45413
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041215H1

<400> 45413

cacagagtgt tggggttgaa cacctgaaca gaacttgaa cctgcctctg cgctcttggt 60
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 cactccgatc ctattcgtgc ccaatccaat tcctctcaca ccaatctccg 170

<210> 45414
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041216H1

<400> 45414

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 gcgtggatct cgatgcgttc tggacatgtc caccgatgaa ctctgaaga tgttcagtgc 180
 tcgcgcacgt agaaggttcc agagaggcct caccagaaag cccatggcct tgatcaagaa 240

002220 ETTE50

g

241

<210> 45415
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701041218H1

<400> 45415

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ccactctctc tgtttcgtgt cgtgggtgctg atcgctgctg ttcattggtga tCGagcatga 180
cattgagagc tgcgggagca gagcggtgca atcttcgcac gcgcaccacc ctCGgcacca 240
ccg 243

<210> 45416
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041219H1

<400> 45416

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accaacgac caccttccac caccattcc cgaaccacct tctaaccacc caccctacgc 120
cgagatgata tacacggaat cgaggcgctg aaggagacag acggttctag caagagggca 180
atagcgaagt atattgagca agtgtatacg cagcttccac cgaatcactc agacttggtg 240
actca 245

<210> 45417
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041220H1

<400> 45417

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atgttgttga tgagtggagg caacaaaaaa cacagatcca tcacacacat gaacaattga 120
 tctttgtcct ttgtataaat ttgattctaa tttttggcac taagagagcc actcaaggct 180
 ctgggatgta ctatacgcca ttcgggggttc tgattttcgg cggagagaag gttcaagaga 240
 ccca 244

<210> 45418
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041221H1

<400> 45418

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 agagagagaa agatgagtag cgtgttggag catggtgttg tgggatgttg caaatcaggg 120
 ccaggctatg ctacccctg gaagccatgt ctggtccaag agagtctctt atttatgtaa 180
 ctgctgtcta cacagggaca ggaatagaga agccggacta tttggccaca gtggacatag 240
 a 241

<210> 45419
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041223H1

<400> 45419

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 ggtatctctc gtgattccat gcacaagagg cgcgccaccg gcggcaagaa gaaggcttgg 120
 aggaagaaga gaaagtagag cttgggaggc agccagcaaa cacaagcta tcaagcaaca 180
 agacggtgag gaggattagg gttcgctgcg gaaacgtgaa gtggcgtgct ttga 234

<210> 45420
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041224H1

<400> 45420
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 aaatacatac acattttattt ataattctatg atatcaatat tatatatattgc aagggtatgtc 120
 tttgtctttg gattttttaaa tgggaggttaa gtcaagatat tcttgtttgg tttggattca 180
 gacactgaga cgtttagct 199

<210> 45421
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041225H1

<400> 45421
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 ctaaccaccc accctagccg agatgatata cacggcaatc gaggcgctga aggagaaaga 180
 cggttctagc aagagggcaa tagcgaagta tattgagcaa gtgtatacgc agcttccacc 240
 g 241

<210> 45422
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041226H1

<400> 45422
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 gcaccacgat cccctacgga ttgatgttag tgggtggtgg actgttcgcc tacataagca 120
 aagggagcat cgcttctctc gccggaggcn cggctccggt ttgcttctca tcgtcgccgg 180
 ctatctcagt ctcaatgctt tcggcaaacg aaaaaactct tacctcgctc tctttctcga 240
 gaccg 245

<210> 45423

002220-CTT560

<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701041228H1

<400> 45423

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tattgtgttg taatcaactg ggctacctcc ctccatttga gacatcatta atgcaaaaatt 120
aacagcgcgc tgaggctctgt ccggagaatt gtttgcagaa ggaagaggta gtcagggtgtg 180
taccacaacct gtttagagta aatcagaatt ttgtcaaact ccctcctctc agcaaacgca 240

<210> 45424
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701041229H1

<400> 45424

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aacagccatc cccaccaaaa acgacgacgt tttcctccct tcctcaacc aaactttctc 120
tgtttcaatc ccttctcaac ccaaattctc tctgtttcaa tcccttctc caccacaaca 180
accttccacc gaaagctctt ccctccctaa cctaaccct aacctgacc ctaaacccca 240

<210> 45425
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701041230H1

<400> 45425

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ttctaattgga gcaacaaagc aacctcccat gccatctccc ttgcgggtttt ccaagttctt 120
tcagtccaat atgagattct gggtactgga ggagctggat ttattggctc tcacctagtt 180
gacaaattga tggaaaatga aaaaaatgag gtcattgttg ctgacaactt cttcactgga 240
tc 242

09531413.032200

<210> 45426
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701041231H1

<400> 45426

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agcacgtgca cagccatcgg taccgcggtt agctccctga gtagggtcga tgggtggcga 120
gtcacatgag gaccagctcg gcctgtcggg ccggagtcac acggtgggaa atccccggct 180
ctcagtgttc gggacttact ctggagggtc tcgactgaca tccaggtctt agacctcgat 240
ttg 243

<210> 45427
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701041232H1

<400> 45427

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ttctactctt ccaagatgac aaggtgagta gcttgacgt cctcaaggat gaccagtgga 120
tcgatgtccc accaatgcgt cactcattgt aatcaacctt ggtgaccaac ttgaggtcat 180
aaccaatggc aagtacaaga gtgtgatgca ccgagtgatt gctcaaaccg atggtaccag 240
aatgtccata gc 252

<210> 45428
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041233H1

<400> 45428

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acgctgcct ctctgttgct cgattcgct ctgaactcgc ctgggccgat gccggtcccg 120

aggttgctga gcctcagtta gtagactctg catggaggct gaagagttta tcgttatggg 180
 aaaatgggtg gaactagcat cattgatgat tacctctgct gaattgggtt tctcaaagg 240
 ttctg 245

<210> 45429
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041204H1

<400> 45429

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 cactaacttg gatgtgagta ggctcttaga tccgagggat gaaagttgga tatttttagc 180
 agtaacacaa atttattcag tgtgaagcaa tatgggaaac acatgtgttg gtcctagcat 240
 ttc 243

<210> 45430
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041168H1

<400> 45430

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 tctcttcctg tttgtagcga ttggggaatc aagaaaagat ggaggaaaat attggaaaat 120
 gaacacgaga gatcatcaga tgccgaaaaa aattaaggct ctcctcaacc aaaactccga 180
 gatccaatct gaaaagattc tcaaaaccaa ggaacaaatt cttgaagggt ctaaacaatga 240

<210> 45431
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041170H1

<400> 45431

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 agtacggaga tggagctgtc gactccgaat tcttcctcga agcacttgtc cattacgccg 120
 ggttctaggg ttttgagaaa ccctctctcc gacgaacaga tctggaagcg cctccgtgac 180
 gctggcttcg atgaggaatc gattaagcac aaagataagg ctgcgcttat tgctta 236

<210> 45432
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041171H1

<400> 45432

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 aggtgatatt gatgtgagaa tgaatcttga tgatccatta aatcaaaacg ttgatactgc 120
 gagaaatgtt ctacaagaac ttagaacaca acttccccca gaaatatttg atttgtcaaa 180
 gcttgtgtgt ggaacatatg tggactcgag gatgcttgtc cttcgagggg ttagtgg 237

<210> 45433
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041172H1

<400> 45433

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 tggcgggtgga tgctcaggag aactcggacg tgcagacgct ggtgaagtac aagcacggga 180
 agaagtactg cgacaaagga tgggaatgta agggctgggc aatttactgt tgtaa 235

<210> 45434
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041173H1

<400> 45434

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 ttaacctgtt ggaaaaattc ttgttttgta ggtttatctc aagacacatg tgattgaata 180
 tatattgtct atgtttaaaa ttctatcttt tgttactgca atccaggtgg ac 232

<210> 45435
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041174H1

<400> 45435

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 ccagcgtggt tacaccgtcc atgccaccgt ccaagatatc aaggatgaaa atgagacgaa 120
 acatttgtag gaaatggaag gagcaaagag tgatctccat ttttttgaaa tggatcttct 180
 tgacatcgac tccattgccg ctgccataaa gggttgttcc ggcgtaatcc acctt 235

<210> 45436
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041175H1

<400> 45436

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 catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120
 caaggaagga atccccccgg accagcaacg tctcatcttc gccggaaagc aacttgagga 180
 cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcct 237

<210> 45437
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041176H1

<400> 45437

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 ttgccactca gatacttctg gaatgaatca tcacatgctt catgaactca tgggagttga 120
 tcctggaact aaccctgttt gccatttcct tggaagcaag gccattttat gggtagccaa 180
 tttatctatg gacactgcct atcagactaa cgttgttggt taattagtcc atgcat 236

<210> 45438
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041178H1

<400> 45438

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 tcgaaccagc accggagtggt atgttgccaa ccgagcatcg gacaaaatca ctcagctcac 180
 tgataatgta tacgtgtgtc gctctggatc ggctgctgat tctcagattg tctctgat 238

<210> 45439
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041180H1

<400> 45439

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 aaaaaacaac caaacaacaa actcaattct cttctcttct cttctgggtt tttgcttttt 120
 cctcattctc tcattctcaa acaccacaaa aaaatgggcc ttgtttccca ggatgccttc 180
 aaccaactcc aagctctcat ggatcaagtg ctacttgagg aggagccact gcagagaacg 240
 tttcagaat 249

<210> 45440
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041181H1

<400> 45440

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 ctaattttat gaccatggct gagcgcttgg gtaatgcatt gatgcaggat ccacctatgt 180
 ctgccatgct tgaaagtttt tctaattccat cacataaaga ccagcttgaa gaaagaatga 240
 ca 242

<210> 45441

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041182H1

<400> 45441

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 ctttggcaag tgtaaaggga agcggtatca ctgggttgggt atattacaaa gaatgccctg 120
 ctggtactta taaaaatgtc agttggtctg ctgagatct ttgtcatgat tgcccatctc 180
 acaagcttcc gcatcgtgcc agatatatct ctgttcgagg tcgtgtggca gacatcc 237

<210> 45442

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041183H1

<400> 45442

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 tctgcattgg agcagcacia tgtgtctcta ttcttctactg agtctcttac caattcattc 180
 ctgagatgtg ttgatattaa gctggtttca gagctttgcc acaagaaggg gacttt 236

<210> 45443

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701041184H1

<400> 45443

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 tttcccttc gcttcgtctc aacagttgac gccattctcg tctccctttt ccaaaaaacc 120
 gtttcctcgg gaattgagag agttccaatt ctgcccctcg gggcttcgcg aatttaccaa 180
 tccgagagtc atggctccag ccaccagaaa ttctggccc ttggatcagc gca 233

<210> 45444

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701041186H1

<400> 45444

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 cttccaaaag ataaagctga agacaaatat gagccacttg gtcttcacat tcagtccatt 120
 cccttaggag ttgtacctag tagccaagac atgaaaccat caattatgga gactgaattt 180
 aaattagaag atggaatcaa tgttggtccc agtatcgaac accagtttat cccga 235

<210> 45445

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041187H1

<400> 45445

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 aagaagaaga agaagaagat gggacaggat cagaaccaga gatcgctgat ctacgcgttc 180
 gtgtctcgcg gcacggtgat tctcgccgag tacactgaat tctactggcaa cttcaa 236

<210> 45446

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701041188H1

<400> 45446

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 tgtacagtgc tcagaacaag aggcaatgcc tagttctcat aagactgctc aagactaaat 120
 tcaccgaacg tcctctccta cggatgatgat taatccttgg accaccattc cagaaatcaa 180
 ccccgttaga gcatgctttg atccacatga ttcagttgtg caacaatcat gatgg 235

<210> 45447

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701041190H1

<400> 45447

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 ctgaaactag ggttttcaat ttcgattcat tcgttaataa ttaaagatgt ttgggagggc 120
 accgaagaag agcgataata cgaggtacta cgaaatcctc ggcgtctcga agaacgcttc 180
 gcaggatgat ctgaagaagg cttacaagaa agccgccatc aagaatcacc ctga 234

<210> 45448

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 701041191H1

<400> 45448

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 tatectattc tacatgaggt cctgtccccg tcctccggta gaacatacta tgaatgccat 120
 gcagcaatct gtttatgatt cttcaaagca caatccaatg gaaatgcaga aacctaataa 180
 accaggacat agtaggcacg gcagtcgtca gttttttgtc ccagagccat ca 232

<210> 45449

<211> 236

<212> DNA

<213> Glycine max

09531413.032200

<223> Clone ID: 701041193H1

<400> 45449

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acagcaatcg ttgatctaca gcttcgtcgc tcgcggcacc gtgacccctag cggagtagac 120
cgagttcacc ggaaacttca ccagcgtggc ggcgcagtgc ctccagaaac tcccttcctc 180
caacaacaag ttcacttaca actgcgatgg ccacaccttc aactacctcg ttgata 236

<210> 45450

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041194H1

<400> 45450

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agcaaggcga ttctgctttt catgctagag acttctccac ggccattgac tgctatacac 120
aattcatcga tgggtggaact atggtatcac caaccgtgta tgccaggcgc tgcttggtgt 180
acctgatgaa tgacatggca caagaagcac ttggagatgc catgcaagct caatcaa 237

<210> 45451

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701041195H1

<400> 45451

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cgcgacgacg acacggtgga cgactacgac gactacgacc ccacccctta cggcgggcggc 120
tacgacatcg ccctcaccta cggccgcccc atcccaccct ccgatgagac ctgctaccct 180
ctaggagcct cttcttctga tgacaacttc gattatgctc gccctcaata cacctctaac 240
gct 243

<210> 45452

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041196H1

<400> 45452

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 ggaaaactcc tccaccgtgg ctccggcaac actctacaaa gctctgacaa aagatgctga 120
 cactatcatc ccagagatta ttggggccat ccaaactatt gaaatcgttg aaggaaatgg 180
 aggaccgga accgtcaaga agataacagc tagtgaaggt gaccagacca gtttcgtgct 240
 gc 242

<210> 45453

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701041201H1

<400> 45453

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 gcagtaaaac cctagccatc ttatcgatcc gaatcccag atccgattgc aaggctggcg 180
 ggtattcggg tcaagtaa at gacggatctc ccccgccg ccttattgat aatagggtta 240
 ccgcgctgct gt 252

<210> 45454

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041202H1

<400> 45454

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 tccggcgaca tctccggtca ggttccggca gcctctccgg cgactcggca tggcaactca 120
 atgaatgcgg aatcaccgcc ggggctcctc atgtcgtttc ctgcctctcc gactacgacc 180
 tcctctgcgg cgaggactcc tccggaatcc tctccggaga gtcgccggag tgctccttct 240

ccgacatcga ctccctcacct cctc

264

<210> 45455
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701041167H1

<400> 45455

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agtagccaag gaagatatgg agttttctat gattttcatt gtttagcaaca ttatgctgct 120
tttcagttca gcatttgcca aaactgctag tctccctct ctgagcccaa ctccagcacg 180
agcgccggca ccagacttgc tgaacctcac tgagttactc agtggttgctg gtcggtttca 240

<210> 45456
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041203H1

<400> 45456

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gttaacaata ccaaatagtg gcattgagtg acgtatccca aaattgagac agtgggtagt 120
ggattggttg ctttgctggg atcatatatt atatattcaa gataaataat ttcataattt 180
gtagtataga atacacaaat gcttaaaaat aaaatattat ctaaaattaa agatataatc 240
ataa 244

<210> 45457
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701041135H1

<400> 45457

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tctctctctt cacagtgccg atggcggatc caatcgcgaa ggttctgac gcgtttgcgc 120

09531113-032200

tcttagcttc cctcttgctg tgttcgacg cttcctccga cgttccttc atcgttgctc 180
 acaagaaggc ctccctcaac agactcaagt ccggcgccga aagggtctcc gtcaccatcg 240
 acatctt 247

<210> 45458
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041137H1

<400> 45458

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 tttgaatatg aagatcagta ttttgctatg tgtggtgctt ttgggtttcc ttggggtttg 120
 tcaaggaggc agcctaagga aaaagttcta ccgggattcc tgccctcaag ccgaggacat 180
 tattaagacc aaaaccacgc agcatgtgct tgctaattccc gatttgccag ccaagttgct 240
 t 241

<210> 45459
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041140H1

<400> 45459

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 tctgagactg accaggaggg agatgatgag attgaaataa atgctggtct gggaactttt 120
 gaacgtgaag accagaatga gtttgctgctc aaaattgccca ttggtggtct tgttcagaaa 180
 ctttctggta atctatcctc tagagatttg cttcgagtcc ctgctatgct ggagatgaa 239

<210> 45460
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041141H1

<400> 45460

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 agccctaatac ttagttctcc ttcaaaggga gaatccgtac cttcaaattg gttgccaaact 120
 actagcgatt ctatcaatgg gaacagtgac tcaagtccaa catctgtagc ggtaccctcg 180
 ctatttgaag aggatgtgga atttgtaggt gtagaattag aaggtacaga gaaggca 237

<210> 45461
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041142H1

<400> 45461

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 caccatgcag gccagtgata ggtttaacat caattcccag cttgagcatc tccaagccaa 120
 atatgttgga actggccatg ccgatttgaa cagatttgag tgggcagtga acattcaacg 180
 agatagctat gcatcatata ttggacacta ccctttactg ggattctttg ctattgct 238

<210> 45462
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041144H1

<400> 45462

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 caaacgcaaa gtttgttctt atttcgccga tcgaacctcg atctggttct tagggatgat 120
 tttcgttgga ggtttcggcg gcaccgggtga ttatcgtacg tgatctttct gcggtggatg 180
 ttgatggctc cgtgtcgaac gactcgaatc agagtaatta acgccagatt cgctgtgta 239

<210> 45463
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041145H1

<400> 45463

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 gctacgtttc taccactcag gtttgtttct ccgaacgcga aaatctaata cttcttttag 120
 ggtttgtgat ggatgatcta cgagaatcta tgttctatcc gacttcattt atctcagtga 180
 agcttagggg tcctttcaat ttattttattt cgggggttttc ataaggatcg gcaataccct 240
 a 241

<210> 45464
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041146H1

<400> 45464
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 caacgctgga aaacgtgtgg gtactcacac tgtgctgggt ggaaaatctc agagaattaa 120
 caggagcaga ttatgcatta gaaagcatcc acaaccttag ggaggcagtg ccagaactat 180
 gggaagatga cataaaaaaaaa gatgctagca gctttcaaat ctttgacatc attggccatt 240
 ttgctca 247

<210> 45465
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041148H1

<400> 45465
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 gaagcagcag cagcagaaga agatgcagaa tctgaagtca gcattttgga gtggcaagtt 120
 ttattgaact ccaccaattht ggaaggaccg aattcggagc cttatttcgg agatagcgag 180
 gatttcgttt acaccgcgga gtacgaaatg atgttcgggc aattcaacga caatgcattt 240
 aatgggaaa 249

<210> 45466
 <211> 171
 <212> DNA

09531113.032200

<213> Glycine max

<223> Clone ID: 701041149H1

<400> 45466

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aaggaaaagg ttgcgcatcag tattgtgggt attggccatg ttgactctgg gaagtccact 120
accactggcc acctgatcta caagcttgga ggcattgaca agcgtgttat t 171

<210> 45467

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701041150H1

<400> 45467

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ggaacgcctt tccaaacgca cccaaagctc ttcgcaaaac cccgattcct catcatcaga 120
atcctccact tcttccatcc tttcacgctt caccactta aaatcctcga ttgagtccca 180
actcgcccaa tccaatcca tttcctccga cgcctccaac ctcaaactcc acttcaatca 240
aatctc 246

<210> 45468

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701041151H1

<400> 45468

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atthttggaga tgtctctgct ctcagatctc atcaacctta acctctccga taccaccgag 120
aaggatgatcg cagagtacat atggatcggt ggatcaggaa tggacctgag gagcaaagca 180
aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgatggt 240
t 241

<210> 45469

<211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041152H1

<400> 45469

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 tacccaactg tgagtgtgta ttaccagaag gccgttgaga aggccaagaa gaagctcaga 120
 ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg gcactctgct 180
 ggaacctttg acaagggcac gaagaccggt ggacccttcg gaaccatcaa gcaccctgcc 240
 g 241

<210> 45470
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041153H1

<400> 45470

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 cacgctgcaa atcgagtcga aggccgtcgc tgcaaattctc tctcccgaag aagaccgagt 120
 ggatccaatt tggagagccc gaggttaccg aaacggtgtc gcagagtaac ccgaacgcgg 180
 aagagaagaa gcactacaga ggagtgcgac agagaccgtg ggggaagttt gcagcggaga 240
 t 241

<210> 45471
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041154H1

<400> 45471

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 taaaaagcgg aaattaagga gcggtggtga cggtggtagt gaataaataa aagcagcacc 120
 ataccatggg gggagaagaa gtagcaagag tcaaagcaga gttgttcgac gacaacgaaa 180

gcgatcgcaa cgacgacgac gttttgagcg agagcaagga ctcgggagtg acgacggct 239

<210> 45472
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041155H1

<400> 45472

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 ctattagaaa tacgcccaca tcaatccacg ccaccctgt caaatcaat cccagatac 120
 cattccccctt cctataacaa acacaaaaca acccaatcat tgtttgttca catccgaatc 180
 cacaacacac tgттаатаат tattctgatt cacgaaaaac aggaaaaccc caaaactctc 240
 t 241

<210> 45473
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041156H1

<400> 45473

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 gctgtaattg ctgagacagg ggactcctgg tttaattgcc aaaagctgaa attgccaaag 120
 gcatgtgggt atgagttcca aatgcaatat ggttcaattg gatggctctgt tgggtctact 180
 ctgggttatg ctcaagccgt tctgagaag cgagtgattg cctgcattgg tgatgga 237

<210> 45474
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041157H1

<400> 45474

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 tggtgggttac aatgacgatg atgcagacat agagtcttg cttcttccca gaaggttcgg 120

gaactctact tctcttgctg catccattcc tgtggcgga taccagggaa ggttgcttca 180

agatttgac ggaaagggaa cacaaggcag gccagcaggt tctcttgccg tgcctcgc 238

<210> 45475

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041158H1

<400> 45475

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cctcactctc aatctccaat ctctcctcaa aatcccttcc aatctcgcgt gcgccacaga 120

tctgatagtt agattacact gaatcgaatc gaatcgaatc gactcgtga atcccaatgt 180

cgcagcaatt agggttcgcg atcgagctat acctagacct tgcgttgag aatcag 236

<210> 45476

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041159H1

<400> 45476

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tagatggatc ttcccatgca ttgcagaatg gcatagattc agcaatacgc catactcaca 120

gaattttagc aatttttagag gcgctgtttt cattgaagcc atcttctgtt ggtacctcat 180

ggagttacag ctcaaatgaa atagttgcag ctgctatggt tgctgcacat atttctg 237

<210> 45477

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701041160H1

<400> 45477

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aactggagtt gttcgtgcta ttgaaaaaga aactccggca agttcacgcg tgttttctaa 120

agcaggacct ccaaaatttg aactctcaaa tgggtcgcaa atgggttggt gagaatcaaa 180
 ttgagaagaa agacttggtg attgaagatt gtgattcaaa gcagtctgta tatatttatg 240
 g 241

<210> 45478
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701041162H1

<400> 45478

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 ccaagctcgc gacaacctcg ttgggagaac acaacaacgt tttggcggcg ccggaatatt 120
 gcaacgcgaa cttcacctcg tacttcaactc ccacgttctg gtcgaaccct tctctgtcgc 180
 taacgttcgc ggacagaaaa cagaaagcgt gttactttaa cacgggggtg atggtgattg 240
 a 241

<210> 45479
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041163H1

<400> 45479

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 ttactcact gataaacgct gaattcattc atagcagcaa acccatctcc aacaacatga 120
 gttcccaaac acgcaacctc aactttgttc tgtttcctct gatgtcccag ggccacatga 180
 tccccatgat ggacatagca aaaattctgg cacagaacgg tgttactgtc acagtgggtca 240
 caaccca 247

<210> 45480
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041164H1

<400> 45480
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 cttccaattc cattctactt ctttgtatct ttcttgtggt tgccacaaag gttttttcct 120
 atgatgaaga tctcaagaca gtggttctctg cacctgctcc accagtgaag gcaccaactc 180
 ctgcctctcc agtgaaatca ccatcttacc ctccagggtc agtgaccaca ccaaattgta 240
 aggtgcccc tc 252

<210> 45481
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041165H1

<400> 45481
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 gtggcaccaa cttcgggttt gagagaagcc agtgggcatg gagcagcagc tgcggataga 120
 ttgccagacg agatgaacga tatgaaaatt agggatgata gagaaatgga agccccagtt 180
 gttgatggca acggaacgga gacaggacat atcattgtga ctaccattgg gggtagaaat 240
 ggtca 245

<210> 45482
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041134H1

<400> 45482
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 tcctcttcgg aaccttagct ctcatccagg cgaagaaatc gaaggaggat ttgaagggaag 120
 tgaccacaa ggtttacttt gatgttgaga ttaatggaaa agaagcaggt cgtattgtga 180
 tgggtctttt tggaaaggct gttccaaaaa ctgcagaaaa ctttcgagct ctttgcactg 240
 gggaaaa 247

<210> 45483
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041166H1

<400> 45483

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 catcttcttc ttcgcagagc ttgtccccga aggtccaccc tctggtcac ttcaacatct 120
 gcgattgcta cgttcgacgc cctgaccaag ccgatcggt catcggaacc ctactcggct 180
 ccgtccttcc cgatggaacc gtcgatatcc gcaattccta tgcagttcct cacaacgaat 240
 ct 242

<210> 45484
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041104H1

<400> 45484

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 ggaatttctc caccaccacc ccacggtggc gcgcctcaac aacggcgcct tcgggtgctg 180
 cccggcctcc gtgatcgccg tgcagcgca gtggcagatg aagaacctcc ggcaaccgga 240
 ccacttcta 249

<210> 45485
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041106H1

<400> 45485

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 caccgtcaca ccatgggctc ctccgcgatg gtgttgacc cgaaaccctc atcggagcct 120
 ccgccgttcc tcccgctctac gaaatcggat taccttcaag gcagcttcg cggcgacgca 180

ccgcctccga cgaggacgac ctctacagcc gcctgaaatc cctccagcgc cagtggagtt 240
catcga 246

<210> 45486
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701041107H1

<400> 45486

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tgagcagggg atggctagag gatataagag aagaaatctt aacattgggg aattatttct 120
aattgaaaag ataaagacca aagttgatgt tgtttgcaa aatgggtgaac atactttggg 180
attggatcca cacaacttag tctttttgaa tgcataaac actcatgaat tttggcccca 240
gcagttt 247

<210> 45487
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041109H1

<400> 45487

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caagatgaaa agtcgagtga ggtaaaaagg cggtgaaaga atgttaggtc aaacttgatt 180
cttatagtgg ctgtaaacct tgtattggtg ctattgtttg tgttggattg accaatgata 240
gttt 244

<210> 45488
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701041110H1

<400> 45488

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ccactgagaa gtcgggctgc aaaggctatt ggattcattg atatgatgat cgattactca 120
tcagccaatg cacctctaca gaaagaacta tcagcagagg aggtgggcaa cacagctgcc 180
ttcttagcat cacctttggc atctgctatc actggtactg ttctatacgt tgacaatggt 240
ctg 243

<210> 45489
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041111H1

<400> 45489

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ggagcttagc aaagtcacgt tagagatctt ttcaaaattg gagcagcaat ggctctcgca 120
ctacgaagca tcaaccaaaa cgcgcattct cagcattgac ggcgaggaggaa ccaccgccat 180
tgtcgccggc gcctccctcg tccacctcga agaccagatc cgcgcccaaa cctccgatcc 240
tcac 244

<210> 45490
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701041112H1

<400> 45490

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tgcacggcat cgacgtttgg cttcacgacc tcgaccctca agctctctcc aaagcctcct 180
cttccatctc ttctccatc aaccgtttcg ttccaaaaa ccacatctct caggttgcg 240
gtgctg 246

<210> 45491
<211> 245

<212> DNA
<213> Glycine max

<223> Clone ID: 701041113H1

<400> 45491

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teccaaaaca aaggatctaa cgccagaaga tttctggatc agtgtaccaa agaaaggaat 120
tgtgggttttt gccctaccag gagagcctgg tctagcagag ttggtaggag acttcaaaat 180
tcagtttcaa gatcgacagg gagatttcta ctggttgatg aatacaacga tgacagacaa 240
ccgaa 245

<210> 45492
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701041114H1

<400> 45492

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accctcctcc ggcaccgttg atcgaccag atgagctcac aaagtgggtcc ttgtacagag 180
ccgccatagc tgagttcata gcaacactcc tttttcttta catcacctg ttgaccatta 240
ttggctac 248

<210> 45493
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701041115H1

<400> 45493

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tatttgggta tggttctttg atctcgaaag ctgggtttca ctatgacgaa cgtattgttg 180
gtttcatcca aggctatcga cgagtcttct accaaggctc tactgaccac agaggaaccc 240

ctgagttccc tg

252

<210> 45494
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041116H1

<400> 45494

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 acatgtgaac cttctaaatg tggtaacctc aacattagct accctttttg gaagatatcc 180
 aacaccaacg ttcaagaatt ttgoggttac cctgaatttg gccttgaatg tttggatgac 240
 caagccatca tgatttttcc aactg 265

<210> 45495
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041119H1

<400> 45495

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 ttcgtattca acgacattca cgattgtgaa caagtgcagc tacacagttt ggcccggcat 180
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 gtcca 245

<210> 45496
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041120H1

<400> 45496

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gaagcaactg cgaatagcaa gaaggagagt ctttctttgc cgtcgggggt tcaaggattg 180
ggcaagggtt tacccgattt gagaacgaag aaaaagggga aacagaaggc ttccaaagac 240
agc 243

<210> 45497
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701041121H1

<400> 45497

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cggaggttcg ccacgttgcc atggctgagg caaacgccgg ttgttgcgct tccgttttga 180
aacggaagcg tggccgtacc ggcaagggaa gccgcgttcc gaaagggatg actccgccgt 240
cgagg 245

<210> 45498
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701041123H1

<400> 45498

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gaaggttaag gattttgcct taccatgact tcaacaaagc ttcccatggc tgcactttgt 180
gtcctccaaa tatgtgcaag gtaaatacaa tttgtttttt ttggttatct attaccttat 240
ca 242

<210> 45499
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701041124H1

<400> 45499

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 tgaggaagtt gaactttctg aggcctcaga tctctgcttt gggaagggtcc catttggtcaa 180
 ctgctgctga accatcttcc agtaagagca ctccacctag ggttccaaat cttattgggg 240
 gcag 244

<210> 45500

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041126H1

<400> 45500

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 acaagtccct catcttcaac attcatccag ttcttattgt tattggctta ctagtccatg 180
 ggggtgaagc tattataagt tacaaagctt ttcccctaaa gaaggaagtg aagacattga 240
 ta 242

<210> 45501

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041127H1

<400> 45501

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 agctgaagtc aaagcctttg atgaaacaaa acttgggtgtg aaaggcctct tcgattctgg 180
 gatcaciaag ataccacgca tgttccatca tgccaagggtg gaggaccaca ctgaaaccat 240

<210> 45502
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041128H1

<400> 45502

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 acaaaatcac aacacacaca aatcttcttt ttaacattta tcatcgatc tgaaactacc 180
 aactatcgat ggcccttca ttcgacacaa gtactcacac ggtatgcgtg atggatgctt 240
 cggg 244

<210> 45503
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041129H1

<400> 45503

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 gattttaaga agctctctga acttttcaac gttcagcact gagtactctg gagaatattc 180
 cgcattaccg cagttggttg cttccaaacg gcaattttct tttcagccca tctcattcac 240
 aa 242

<210> 45504
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041130H1

<400> 45504

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 aaggagagg tcataaaaaa actttggagg ggtcaaatgg ggccaccg tgccgaaatc 120
 aaggtagcag atgaccataa acttgctaac ggagtttata ataacaaggc caatctaagc 180

002250"CTT550

aacaatgaaa atgttacagg atgctgtcag ggtgttaatg gggtttcttg ctgcaggact 240

gcaagtt 247

<210> 45505
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041131H1

<400> 45505

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agcagaaaaa ctcataagag ggcttaacct gttcccgaaa gacccatta acacactcga 180

gaatgccctt ctttttgtgt caggaagcat tgtggagaag agcttcactt tccctagtct 240

tgctgcttct tc 252

<210> 45506
<211> 256
<212> DNA
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<223> Clone ID: 701041132H1

<400> 45506

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tcgtgtagaa aaaggaagag aagaaaatgg aatcggagga tttggtcaaa caggaattgg 120

aggaattgca gaaacaattg gggaagaagc aaaagtttga agcttctgtt tcgtctctta 180

aaacccttct ccaacgcact tacccatcag cttccccggc gcttcgtaaa tccttttatt 240

cagttctatg ccgagt 256

<210> 45507
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701041133H1

<400> 45507

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aactgaggaa gatatgaaaa aacaagaagg agattacatc taccgttatc gttacaatgg 120
tggtgggtgca actcaagttt ggctaagctc tggcagattt gtggtgattg acctttcggc 180
agggccatgc acttatggta agattgaagc tgaagaggga agtgtctgtt ctagaaccct 240
gccaaga 247

<210> 45508
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701041103H1

<400> 45508
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ctgcatcatc ctttacggga agaattggatc atcaaggga tagccagaac ccatctatgg 120
gggtgggttg tagtggagct caattagcat atggttctaa cccatattcag ccaggccaaa 180
taactgggcc accgggtgtc gttgtgacat cagttgttac cattcaatcc acacctgctg 240
gagctcagct 250

<210> 45509
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041070H1

<400> 45509
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cactcctctg ctctttcaaa aaccatttgt ttacaggtat attcgacaga agcatctcct 120
ggcatagaga gagttacaca tgaagtctg atagaatttc tagccactgc tgtaaatgtc 180
accaacattc aatgtaatag tctaatacgg atatatcgat aatatatgcc aagctggata 240
tctttcagtt gccagtcaaa tgctagaagt ttt 273

<210> 45510
<211> 264

<212> DNA
<213> Glycine max

<223> Clone ID: 701041071H1

<400> 45510

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cgatagcgat caagtaccac catggagatg aggtgtcaaa tgataacgca cagcatcaca 120
tctggagcct atggaaatgc gtggctgctt catagtctct gggcacgttg gcgccgttta 180
agacaccaca attcctgttc tatgcctacc tcgcgagtgc aaataacaaa ccatccaaac 240
ctaaacttga gctgggactg ttcc 264

<210> 45511
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701041075H1

<400> 45511

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catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120
caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180
cgcccggtacc cttgctgact acaacattca gaaggagact actcttcacc tcgacctccg 240
tctccgtggt ggcattgaga tcttcgttaa gac 273

<210> 45512
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701041076H1

<400> 45512

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gtcctctttc tttgaagggt acacaccctt ttgcttatta aacacatata ataacaaggt 120
ataccaaaat gtgcggctct aagaccaaag tgacgattgg cttagaagtc atcgctgctg 180
ctactactac aacaactgct aagccttcag tggctagaat caatggaagg ccagtcctcc 240

aaccaacttg taaccgtggt ccaaacttg agagg

275

<210> 45513
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701041077H1

<400> 45513

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tgtactttat tacacaagat aggaggacta atatgaatct cttgaataac aacgggttaa 180
cagctcgaga tatcgtaaac aattatcaac tggcgattcg caagtttcta gccaatcgag 240
tgttaccagc atctggtgtc ccct 264

<210> 45514
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041078H1

<400> 45514

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ggatttagct ccattaccta tctcggattt ttgagcccag gaaacaaacc aagaccatgg 120
atcgcaagaa cccgcggagg aagcccaagc tcgagcgccg taacgctctt aaatactcct 180
cctccgaata cgacgtcgta tcttccccct ccgacgacac gctctacacg cgctccatgg 240
agttctacga ccgcacgagc ttccgaatcg agggcgt 277

<210> 45515
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701041079H1

<400> 45515

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attacaacat ccagaaggac atcaaccctt cacctcgtcc tccgtctccg tggtagcatg 120
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 accatcgaca acgtcgaggc taagatccag gacaaggatg gtatcccccc agaccagcag 240
 aggctgatct tcgccggcaa gcagctcgag gacgg 275

<210> 45516
 <211> 161
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041080H1

<400> 45516

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<210> 45517
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041081H1

<400> 45517

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 tgtcagggcc cattttaaat actttatcaa gtgccaatgc cttgggtcag tcaagtggat 180
 catctaggag ggttgctgtc tctagtagcc gtgatgcatt tgttggtgct gagtcagata 240
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<210> 45518
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041082H1

<400> 45518

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actccccctt ctcccccca atcgctctt taaccgcact ccttcaaatt cttccatttc 180
cttctcccta cgctccaacg acgagcaaca acccctcggc ctgacatcg cgcactaag 240
gtcagcttcc gtgaggctca ttgatgggaa tcagat 276

<210> 45519
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041083H1

<400> 45519

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gttccactcc cttcccctat gttttttcct tctcttggtc ttcaacacaa aaccctcct 120
agcagcagaa ccagagccag tgggtgataa gcaagggaac cctttggagc caggagtagg 180
gtactacgtg tggccacttt gggctgatga aggaggcctc aactaggcc aaacaaggaa 240
caagacatgc cctctttatg ttatccgtga cccttca 277

<210> 45520
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701041084H1

<400> 45520

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aacatcacc cagttctaga gaaagcagga caattcacia ccttcattaa actcctcaaa 180
gcttcacaaa tagctgatag aatcaattca cagctgaaca actcaaacca aggcctaacc 240
gtgtttgcac ccactgataa tgcattctca agcctcaa 278

<210> 45521
<211> 276

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701041085H1
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<210> 45522
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041086H1
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 gatgcaactt gttccgtggg aaatgggttt atg 273

<210> 45523
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041088H1
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gataaaacttc tccactatgc gatcatcgat ctctcc

276

<210> 45524
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041090H1

<400> 45524

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ggcatattga ctgtgctagt gcgtataagg atcaagcaga gattggttct gctcttaaga 180
agctttttga tgatggtgtg gtgaagcgtg aggacttatg gatcacttcc aaactctggt 240
gttcagatca tgcaccagaa gatgtgccaa aa 272

<210> 45525
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041092H1

<400> 45525

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acggttcatc gcttctttga tgaatggcca caciaaggaa gagaaggctc ttggcttgat 120
ttggatgaca aatcttcac aaccaactt tcaatttcca tccccacatc ttctcatgat 180
ttttcaactt tcagttccag aaccacat gatgggtgag tgtaggtttc caataatggg 240
tcctctgtac ggaaatcaaa ggccaaaaat gt 272

<210> 45526
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701041093H1

<400> 45526

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cgtgcagcaa ttctctcttt ccctctatcc acccctccca tggcggaacc aatggctgtc 120
 gactccaatc ccgaatccgg tctcgacttc gagtccccctt tcgcctgggg gaagaagcga 180
 ggcatgggag gcaaaaagaa ggacgtgcag ttctacgagt cattctcctt cgacggtgcc 240
 gagtacgcca taaacgacac cgtatgcctc caga 274

<210> 45527
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041095H1

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 tcttgaaaa gaggttgaga tgagtggatg caaaggaccc ataacaactt tcattgttga 180
 acctttcatc ccacacaatg aagagtattg acttaacatt gtctccgaga gacttgggga 240
 cagtataagc ttttcagact gtgga 265

<210> 45528
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041096H1

<400> 45528

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 ccaaaccctc atcactctcc ctctcatcgc gttcattcct cttccctctc tcccatgcc 120
 tcgtccctcc ctccaccgcg gtcgcccggaa tccggtgccg cgtaaacgcg gccggagact 180
 cggcgctactc accgctgaac tcggggctcgt cgtcttcgtc gttcagcgat cgcccccca 240
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<210> 45529
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041101H1

<400> 45529

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 cctcctgcaa aggaagagcc ttcagggttt ctaagcttaa atagagtcac gagcctggac 180
 agtttggaag ttgatttgag caaagaactc gcagctcctg taaatcataa tgcacacctg 240
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<210> 45530

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701041102H1

<400> 45530

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 aggaagacaa gcttagcctt gcaactacac ttcttgaaaa ggccaaggct aaaggggttt 120
 ctttgttgct tccaactgat gttgtcatag cagacaagtt tgctgctgat gctaacagca 180
 agactgtgcc ggcacaaagc atcccagatg ggtggatggg gttggatatt ggtcctgatt 240
 ccatcaaga 249

<210> 45531

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041069H1

<400> 45531

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 ttaatagtaa tactaataat taaaactctg gggatgcaca agcacagata cattgcctct 180
 ctctgtatat atggcgtag acagcctctt gcacttatgg tgtcattgtg catgccatct 240
 ctctgtaata taatgaatgt agctgtgctc aggtag 276

<210> 45532
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041041H1

<400> 45532

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 tatgccgaaa acgggttaaa taagctcgga aaatgattct cacaaagcag taccgatgca 120
 tacactcagc tagttgtcaa tgtactaaag ggcatttaag tgaagatatg atattcttag 180
 tatttcataa tttgaattgg aatcccaagc taattgcaac tctatcatgt gtgtgcaaatt 240
 ggtttgatga tcttgccaag cgagttctat ggaaagagtt tt 282

<210> 45533
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041042H1

<400> 45533

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 tgttattaaa aattatgacg gaagtgttc agttgccttc atcctcaagc tgttcgcgtc 120
 ggccatgtgg tgggttcaca cccactgatg ggccttgcca attccccctta ttaacgctcc 180
 cactgtggaa gaacaacaaa gtgtggaaat tgaagaagta gaagagaaag acagggaaag 240
 ggag 244

<210> 45534
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041043H1

<400> 45534

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 caattagggg tttttgctgg cgtgcttctg aaagcttggg tctggatatc ttctttgctt 120

ctttgctatg gaagactcgg attcagttgc tacattgata gattctacta cttctaagat 180
 acaacagctg cagaaggcat ttgctgaact tgaaagttat cgggctgtta ctcttaactt 240
 gaaatggaaa gaactagagg aacatttcca tggctcttg 278

<210> 45535
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041044H1

<400> 45535

caaaatttaa taaagtgtg agggtttctg ctaacgtgaa caatgcaggt aggaccaagt 60
 ggccaggata tgcttgcaaa ttagtttaca gctatTTTTT tctttaaagt gtcagagctc 120
 ttgccatttt ttctctttac ctttaataata tattgacaga gttttcaatt tttgccattt 180
 tttaaatata acgaatgcaa tttgcaatta tatatcagga gttacaaaag gtcatggcct 240
 tttttaccac agaatcattt acaggagttt tattttatt 279

<210> 45536
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041045H1

<400> 45536

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 tggctcattg gctgagcata agcatcgtca gcattaggca tcaggaatat tattcagata 120
 gaccataatg atgagtgtt tacgaacaaa tggattatga atgtcaggta tctcaaggct 180
 tcgtactttc aatccttttg atactatgtt gagatctgga atagatagtc attctacggt 240
 ctccattgca acttcttcac ggcgcgcttg acctaccaa 279

<210> 45537
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041046H1

<400> 45537
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 aatcatggag cccatggaca tcgttggtta atcaaaggaa gacgcttcgc ttcttaaagc 120
 aacaatgacc aaaattatta aagagatggt acccccagat gtacgtgttg caagagatgc 180
 ccaagatcta ttgattgagt gttgtgtaga gcttataaac cttgtctcgt cagaatccaa 240
 tgaagtctgt aatagagagg ataaacggac aattgcacc 279

<210> 45538
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041047H1

<400> 45538
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 ctctctcact ttgatcactg atctcatctc aattttcaga tatgtcgaca tctgataagc 120
 cagaagaggt ggaaaggggt agcaaggatg aaaagcaciaa ggcagatgat caagaggagg 180
 ggaaggggtg attcattgag aagggtgaagg atttcattca tgacattggt gagaagattg 240
 aggaagctat tgggtttggg aagccgagtg ccgatg 276

<210> 45539
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041048H1

<400> 45539
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 agaccatgac catggccatg gccacgatcc tgctcctggt cactgtcttc gcggtttcat 120
 cgccctaga catgtcgata atctcgtacg acaacgcccc cgccgccacg tcgcgacagc 180
 agagcgagct gatgtccatg tacgagcagt ggctagtaaa gcacggcaag gtgtacaacg 240
 cgctcggaga gaaggagcag aggttcacaga tcttc 275

<210> 45540
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041050H1

<400> 45540

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 tatgttatga gattcttgca cccagtgagg tcgttggaat accgccagag acctactatt 120
 gtccggttga caaggtctac tcgccagac aaggctcgcg gattgggttt caaggctacg 180
 cagggttatg tgaattcacg cattcgtgta cgaaagggtt gtcggaagag accatctccc 240
 taaggcattg tacgtggtaa tccctccaac caaggtgtta ctc 283

<210> 45541
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041051H1

<400> 45541

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 acattgaaaa aaccaccact cttcaaagcc atgatatagc aaaagatata gaaatccttc 120
 aagtagttga tgcctatgtt catgaattga ctgtctgaga gaaggcttgt tcaacgttct 180
 caagagatgc aaagatggag aagaaaagaa agattgtgca gtataggagagg aggctggata 240
 ggactcatga ctcacctgat cttgcaaagt atgagatgct caa 283

<210> 45542
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041052H1

<400> 45542

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 gaatagaact acgagggtat agacatggct agcgcaattg cagcttcttt tttggttctg 120
 cttctggctt tccccactgt atttgagagct gaccatgaag ttggtgacac tagtggatgg 180

gccctcggag ttaattacaa cacctgggcc tctgggaaaa ctttcacagt tggtgacact 240
 ttggtgttca agtatgactc cactcatcaa gttgatg 277

<210> 45543
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041053H1

<400> 45543

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 tcgggatcca gttcaagaac cacgtgtctc gttgcttctg ttctatgttt ataagtaact 120
 tgagttcctt ctatctcttc tctttttgca ttgaaatatt gtgtctgatt tggttaagtt 180
 gggagatata tatactgttt agttaacttg catcatatct cagtgtcaaa gaccagttca 240
 tcatttttct gagacattaa gggattttta tttgcatctt 280

<210> 45544
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041054H1

<400> 45544

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 aaaccaccaa acgagaagag gagtgaacga agatgggggt gtcgttcacg aagctgttca 120
 tcaggttgtt tgccaatatg gaaatgagga ttctgatgga aggtctcgat gctgctggta 180
 agacaaccat cttgtacaag ctcaagcttg gggaaatcgc caccaccatc cccaccatcg 240
 gatttaatgt tgagactgtg gagtccaaaa acatcagctt 280

<210> 45545
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041056H1

<400> 45545

093113.03200

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ccgacactag ctaacacatt tagtaattgt gcttcaccaa ttgtggatgt gccttatcat 120
atcttcttct tggcaactgt tattggacta atacctgctg cttatgtcac tgtcaaggta 180
cgtagctatc agcataataa tttttattta gaaatgttat tgatatttta taataaaaag 240
atagatacga tagcgaaaag tgagatgtaa ttactgatg 279

<210> 45546
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701041057H1

<400> 45546

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ctcgttactc atttctcacc taactttcta ttcttctcag tctcagatca gaaccttggc 120
catggcagcg ttccagaaga tcaacgtcgc caaccccatc gtcgagatgg acggagatga 180
aatgactagg gttatctgga agtcaatcaa ggacaagctc attttgccct tcttggagtt 240
ggacatcaag tattatgact taggccttcc ttaccgtgat 280

<210> 45547
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701041059H1

<400> 45547

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gtagaaggaa gatacaggta ggaaattcac aagagtccag ctttttgaat tctgaagcaa 120
aatcactatt gaagttttac acacctcagt gtgttttgag ctttaattgg tattgaactc 180
tgttctgctt cctgggtattt tctgcctctg ctggctctac ttcaggactg gaccatagtc 240
caacatatct gtcctaatag tttagtatat catcaa 276

<210> 45548
<211> 278

002220 032200 0953113

<212> DNA
<213> Glycine max

<223> Clone ID: 701041060H1

<400> 45548

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tggtgttggt tctgagccat tcccagtgtt tctttatgga agaacgttcc cgacacggcg 120
gcgaaccggt ccgagccggg gctcagggcg gagatcgaca catcggcgcc gttcgaatcg 180
gtgaggggaag ccgtcacgcy attcgggtgga gttgggtatt ggaaacccat tctcaacggt 240
cttagtaaca agcattttgc tgccactgag ccacatca 278

<210> 45549
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701041061H1

<400> 45549

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atattttaca gttatatttg aggcattgaca atgtgcagat tttggaaaag atgaggcatt 120
tggtgttatt cattgagcga aatttggaag agaaggatgt cattcggcta agctttttct 180
ctcaaccgga tggctcgctg atgggaaatg gttcctttaa gtctcatca ctagtccag 240
gtataaaaga aggaatatat cttggtccac caccaaaa 278

<210> 45550
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041063H1

<400> 45550

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agcatctgcc gcgaccagat caagcctccg ctcgattaca gcacccgcca ccgtctcaaa 120
ctacagggcg aggaacaatc cttcgcatt ctcaacaaaa tcgccgccac ccgtatccga 180

ttatcttttcg caggcttcgt caaccacatg ctgcgcgaca tcaancacca acacaataa 239

<210> 45551
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041064H1

<400> 45551

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gctacgcctc cgagccggtg ccggagcgca aggtggccgt tctaggtgcc gccggcgga 180

tccggcaacc cctctccctt ctcatgaagc tcaacccctt cgtttccagc ctctacctt 240

acgatatcgc cggaactccc ggtgtc 266

<210> 45552
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041066H1

<400> 45552

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aggtcggaaa tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc 180

aaatgccaaag tgtacagaca gttggcggtg gtga 214

<210> 45553
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041068H1

<400> 45553

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cagcatcctc ttgtggcttt ggggtgcttc tctggagggt atttcgtgtc tgtgcttgcc 120

accgccatga agtttagtag tactgtgctc atgattgctg aggggatgct tgagcacatt 180
 gatgttaaag gggactaccc gccgcacctt ttgtttcaca tgcccaaaga tctttatagg 240
 cagcagacaa tagatgaata tgtggaggtt t 271

<210> 45554
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041040H1

<400> 45554

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 aaccatttca ctgatcgctt acctctcccc ctaactccaa caatgggtccg acacccttaa 120
 aaaatcaaaa cctcaaaaac caaaaaacat cacaccatgt gttccttccc tcacaatgtc 180
 tctactaccc atccttgtct ttccaatcat tatttgttgc tgctccgctt ccttgtaggg 240
 tcggagcaat gcgacgacaa tctacggggt cctgagcgag c 281

<210> 45555
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041013H1

<400> 45555

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 tcttcttctt cattctcatt atcaagatgt ctttgcttcc ggatctcatc aacctcaatc 120
 tctcagaatc cacagaaaag atcgttgctg agtacatatg gggttggtgga tctggtatgg 180
 acctcagaag caaagccagg actcttctctg ggccagttag tgaccctgca aagcttccaa 240
 agtggaaacta cgatggctct agcacagacc aagctccag 279

<210> 45556
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041015H1

<400> 45556

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atggtggcga aggcgaagg tagaaaggag gaggtggta cccgtgagta caccattaac 120

ctccacaagc gcctccatgg ctgcacattt aagaagaaag ctctaaagc tattaaggag 180

ataaggaaat ttgccccaaa ggccatgggg accaatgatg tgaggggtgga tgtgaagttg 240

aacaagtttg tctggagcca gggaatcagg agtgttcaa g 281

<210> 45557

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041018H1

<400> 45557

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actaatggga actgttgaag ctgcaaacia ggatgcaaat ggaagtctcc tagagaaaaa 120

tccttcagtt gtttttgtgt taggtggccc aggaagtgga aagggtaccc aatgtgcaaa 180

tattgtccaa aattttgggt atactcatct cagcgtcgtt gatcttctgc gagcagaaat 240

ctaattctggt tctgaaaatg gtac 264

<210> 45558

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701041019H1

<400> 45558

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cgacgtttcc tgcgaggact gcggcgacgg ccaactctct tcgaagcttc ttctctgcga 120

caaatgcgac cgtggctacc acctcttctg cctccgtccc attcttccct ctgtcccaaa 180

aggctcttgg ttctgcccct cttgtctcaa tcacaaacct aagtgtttcc ctcttgtgca 240

gacaaaaatc attgacttct ttcgaatcca acgctcgccc gaggcatt 288

<210> 45559

0953113.032200

<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701041020H1

<400> 45559

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gacacattct acatatctca tggatcacca actttgtcca tagatgaatc cattcaggcc 120
aggaagttcc ttcagtcatg gaagaaggac gtgtttcctc aaagaccctc ttcaattctt 180
gtcatctctg gtcattggga aaccgcagtt cccacggtca acgtcgttga ctccatcaac 240
gacaccatct acgattttcta tgggttcccc aaacaaatgt accag 285

<210> 45560
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701041021H1

<400> 45560

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ttaaattgtaa tggaatgtgg atgggttttat ctgtcaagaa gcaacgatgt cttttcaaca 120
gtgttcaaga attggcagct caattatgta aaagtaatct tttgatctat acaactggaa 180
agtgttttct tttatcataa aacgcttagc ccttgcatct cttgataatt tcttagaaac 240
tgtcattaaa atgctagtta tttgaaaaaa gaaaaagatt ta 282

<210> 45561
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701041024H1

<400> 45561

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tctaattgcc acgagctcat acatcacgtg actgttgctg aacaggagtg acattgctaa 120
aagtggacct ctgagatat aggggcagtc taaccggctt tatgggatcg agcacatgct 180

ctaggacatt atgtacgcgc ttaagatggg gcttgaaccg attcctgggc atagcgggct 240
 tggaggcgct tactatttca gaaa 264

<210> 45562
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041025H1

<400> 45562

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 gatatgcatg cagactagcc ttgttggttt attaattggg aattcttaac tcatcagcct 120
 tctgcaacag ctacaaaaga agccaacaac aaccttcgga atttcgtatc tgggtttgct 180
 cattggatcc tgcaagacat gacaggaggg tggaaccaat tctgttaaag ttttactatg 240
 cttatgtcaa ccgagcgatt ggtttggggg ctcaagtggg tttt 284

<210> 45563
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041026H1

<400> 45563

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 gtgcgaaggc aaatatcacg tctattggat ccaagtcttc aatgtgccag gtttatatat 120
 gatgaattaa taaagatcag ccatcgctgt atggtaaag tactgcagcg attccctttc 180
 ttgcggaagc gcatggatga agttataggg aactttctac gagaaggcct tgaaccctca 240
 gagaacatga ttgcgcacct catagaaatg gagatggact a 281

<210> 45564
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041027H1

<400> 45564

0953113-032200

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taacgacgaa gaagaggata acaataacaa tgataagggt gtggatgacg gagatgttgg 180
aggaggaaaag tctttcgggt cagtgtcgtg ttccatttgc ctcgagggtg ttgccgataa 240
tggggataga tcttgggtcta agcttcaatg cgggtcatcaa t 281

<210> 45565
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701041028H1

<400> 45565

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tctctttcta ctttgtgcc taacttcata atatcagcct tcagccaccg ctgatattgt 120
attcgacacc gaaggcaatc ctattcgaaa cggcggcaca tactatgtgt tgccagttat 180
aagaggaaaag ggcggcggaa tagaatttgc caaaaccgaa acagaaacat gccctctcac 240
tgttgtgcaa tctccctttg aggtctcaca gggcttacca ctga 284

<210> 45566
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701041029H1

<400> 45566

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tcttgcagga gagagccatg tccatgcata gctacctgag gaagattatt gggaagctgt 120
ttggccaaac actcccatc cactgcact gcgagagctt ctaaagcctc tccctgcagg 180
acttgaaatc gatgaactcc ctaagcaa attgatgata cagtacccaa aaacattctt 240
ctataaagaa gaccttcata caggcaaaac aatgaaagta 280

<210> 45567
<211> 276
<212> DNA

<213> Glycine max
 <223> Clone ID: 701041030H1
 <400> 45567

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 atggcgaacg aaacgctgtc gttgcggcac tcgcggcggtt ggtgctactc gcggcgagtg 120
 tggcgggtgga tgctcaggag aactcggacg tgcagacgct ggtgaagtac aagcacggga 180
 agaagtactg cgacaaagga tgggaatgta agggctggtc aatttactgt tgtaacctca 240
 ccattaccga ttatttccag acctaccagt tcgaga 276

<210> 45568
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041031H1
 <400> 45568

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 atctcagcag cagatactca accctgtttg agtagccgag aataacacca atgggagagg 120
 aggaaaagaa accagaggaa caacccaagg cagaggagaa aaaaccagag gaagagaaga 180
 agacagaaga agcagcagca gcggaaaaac caagcgaaga gacaaaaccg gaacaagagt 240
 cgaaaga 247

<210> 45569
 <211> 210
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041033H1
 <400> 45569

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 agccacgtca gtcattcacc tcacgggac actctccgag acaaccgagg caaatcacca 120
 ccatcaatgc ctccgggcat ctaaccgaac cttccttggga agcttcgcat attgacctat 180
 ctctcaacc tctgatcaa cgctctcgc 210

<210> 45570
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041034H1

<400> 45570

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 aactcgacga catattcatc ccctccgacg ccgaggattt cctcataccc gacgtcggtta 120
 actctaagta cgactccgct tcgccgccga tcgacgcaca gaattccgat tcgccggatt 180

<210> 45571
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041035H1

<400> 45571

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 ttaactacat tacttgcctc tattttgata attgatacaa ttaatctcat tctaggtttc 120
 aaaattggga ttcggatgta tgggccttac tggagcgtac aatgaccctc tccaagaaca 180
 ggatggcata tctgttatca agtatgcgtt cagtaaggga atcacatttt ttgatactgc 240
 ggatgtttat ggagccaatg ctaatgaact tttggttgg 279

<210> 45572
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041036H1

<400> 45572

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 gcttctaggt tcatcaagtg cgtcactgtt tgggatgggt ctgtgggcaa aacctgtatg 180
 cttatttcct ccaccagcaa cacttttccc accgattatg tgccgactgt ttttgacaat 240

ttcagcgcaa atgtggttgt caatgggagc attgtgaatc tg

282

<210> 45573
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701041038H1

<400> 45573

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ggaggtacaa caataaacca agaggacgtc ataatttgac aacgcagaag aagcaggaga 180
ttaaggaagc ctttgagtta tttgatactg atggctcagg aactattgat gccaaagagc 240
tgaatgttgc catgagggcc cttggatttg agatgacaga aga 283

<210> 45574
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701041039H1

<400> 45574

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ccaatttctt aaaagaagtt agctcacagc agatccatac aaacatgatg actccaaact 120
tgaatctgga accagaaggt ggtttaaaag tcttcagcca agtaggtttc gataaatcaa 180
tacaagagac atctcatgat cttaccaagg acagcactgc tacttctctc tgtcttacca 240
aggctgatcc tgacccaggt tctgtttccc ttgacttgtc cc 282

<210> 45575
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701041012H1

<400> 45575

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ggtcagccgc agcctcaggg aaaccggcgc gtcctcgtc aaggaccctc gctgcaccgt 120
cgaggacaac gatcgcttca tcgacatgat ggagcgctac ttctcaaac cccgcgactt 180
caaacaccgc catgagagac ccacttgca ttaccaggtt ggggttacac cagagaaagt 240
agaagttcca agaagcttgg ttgatgacga aatgcaggag aaac 284

<210> 45576
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040983H1

<400> 45576

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ggctctcatcc aaataagcac taatgggtat ccagagttac ttcaaggctt tgattatttg 120
ccttatagca ctaattggat caactcaagc tcaattgcag cttggtatct atgccaaaag 180
ttgtccaaag gctgagcaaa taattctgca atacgttggt gagcatatcc agaacgctcc 240
atcactagca gctgcactca taag 264

<210> 45577
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701040984H1

<400> 45577

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gtctcacgat ccactcctgc aagacacatc tccaaaagta tactgagcaa ggcagctatc 180
atcgcagttg cagtaggtgg ggggtgtgcta ttgctttag tagctctcat cactgtgctg 240
tgctgttcga agaagcaaga tga 263

<210> 45578
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701040985H1

<400> 45578

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tataagatcg ggctgaagct gtacgacaag tacggctact acatctacat taaaaacctc 120
gaagcatggg gcggcttgat gggcaagggc tacgactact tcgagcgagg caacctcgac 180
atcttcagcg gaaggggacc ctgtcttgac ggacacgtct gtgccgataa cgttacttct 240
gacggatcgg gttctcacca cg 262

<210> 45579

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040986H1

<400> 45579

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gaaggtcaag cctcagacct tgagcatggg gatgcagtgc cggcggcaaa tgtgggattc 120
tgtagggtgc tttcacttgc aaaacctgag gctggaaagt tggatgatcg tactgtggct 180
ctgttgattg cagccacatc aagtatctta gttcgaaaat ttgggtgggaa gatcattgac 240
attgtctcta gggaaatgat aac 263

<210> 45580

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701040987H1

<400> 45580

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agctcttggt gatttataaa actgtgaaaa tgggtttctt tctttttgta tgggttttatt 120
gggttaagtt gaatttttct attgcttctc aaaccataag aagaactgtg tgattgcagg 180
tgttccttgt taagatctgt ggtttgggtt tcgggaggaa acaaaaaaag gatagaaaga 240
attagattat taagta 256

<210> 45581
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040988H1

<400> 45581

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 ctcagatctt gtcattgttt ttcttggaga aacttcaaag gctcttattc ctggcgaaat 180
 tagttatttc tttctaaccg ggcttcaagg agttatagga ggcttctcta atgagctcac 240
 aagcaaaata tatggtttgg aca 263

<210> 45582
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040989H1

<400> 45582

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 aaaaatccct catcttcaac attcatccag ttcttattgt tactggctta ctagttcatg 180
 ggggtgaagc tattataagt tacaaagctt ttcccctaaa gaaggaagtg aagacattga 240
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<210> 45583
 <211> 259
 <212> DNA
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<223> Clone ID: 701040990H1

<400> 45583

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 tgtggtggtg agttcacgtt cacgcccac cagtaaaagg tggaaccccc atggctgcta 120

cagcctctag ctttggaact acatggtgtc ttagaagagc agctcaggct tttgctatct 180
 ctcattctca tattctccgc aacaatgtta aactctcttt gcagaggaac ttttgccttc 240
 atcttctctc cgtttctac 259

<210> 45584
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040991H1

<400> 45584

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 gcgtatacag ctttgagagta atattatggg aaattgcaac tgaaaagata ccttgggata 180
 atctcaactc aatgcagggtg attggagctg taggattcat gaatcaacgg ctagagattc 240
 caaaaaatgt tgatccac 258

<210> 45585
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040992H1

<400> 45585

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 cagcaatcca ccgaagaatc cccaatcgcc gccgtagccc ccgccccctt cgccgcgcaa 180
 gacatccgca agatcctaca accgtttctcc caggagcagc tcctcgacct ccttcaatcg 240
 gcatcgctcc gccaccccgga cgtc 264

<210> 45586
 <211> 262
 <212> DNA
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<223> Clone ID: 701040993H1

<400> 45586

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ccaggcgccg gagtttggac atcttaccct taaaatacat cgctgacatg gcggtgccgc 180

cgtcggatgg ttcacggaaa cgtcccaagc tggatctcag ggaccgcat aacctagttc 240

acaattgcga cggatccact gg 262

<210> 45587

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040994H1

<400> 45587

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ctgtgctgaa gattgggtccc aacgagccat ctgagctggc tatccatgag aatgcctatg 120

gcttggccag atacgctgtc atatgccagg agaatcgccct gggtccatt gttgagcctg 180

agatccctgt tgatggatct catgacattc actagtgtgc tgccgtcacc gagcgtgtcc 240

ttgcagcatg ctacaaggct ttgaa 265

<210> 45588

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040995H1

<400> 45588

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cgtaaccggt agatcgagcg actacgacta cgattgtgtg tacactgcat acgttagaac 120

cggttcggtg ttgaagggcg gaacggactc taagatcggg ctgaagctgt acgacaagta 180

cggctactac atctacatta aaaacctcga agcatggggc ggcttgatgg gcaaaggcta 240

cgactacttc gagcgcgga acctcga 267

<210> 45589

<211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040996H1

<400> 45589

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 tcctttctgt acctacacgg ttcccgacgc tagcaggcgt cgaaacggca acaccggcag 180
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<210> 45590
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041001H1

<400> 45590

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 gggatttttc accaagccct ttactaggca agagaacact gttattcaga cctgtgttgt 180
 tgcttgctat ggccttgctt tcagtggggg gtttggttca tccttgattg ccatggatga 240
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<210> 45591
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 <213> Glycine max

<223> Clone ID: 701041002H1

<400> 45591

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agagtaaatac aagtcatacct atggcagctg cactagtggga atatggaatg ttgaattctg 240
tcaagccaat ccctgaaaat gtggagaatt tcaaaat tttt ccagggg 287

<210> 45592
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701041003H1

<400> 45592

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atggcaaggt tggatatgaa gccttcctca ttttccttgg ctatgtatat actggtaaac 120
tcaagccctc tccaatggag gtgtctactt gtgttgacaa tgtttgtgct catgatgcgt 180
gtagacctgc cattaacttt gctgttgagt taatgtatgc ctcttccatt tttcaaatac 240
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<210> 45593
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701041004H1

<400> 45593

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gtgtcacaga ggattgcctc atcggaaca aggatttggga atcagagttc tactttggat 180
cccatgtggc cagaatgctc tacgatgtga gccaatctgt gaggggcaaa acaggcaata 240
aaaataacaa agctgttaat tgtccaaata agcaaggcta ccgaagctg 289

<210> 45594
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701041005H1

<400> 45594

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 tatttttagc ttcaaagttc ctgaccaaag gtctggaaag gtggaagttc agtacttgca 180
 tgactatgct ggaataagca ccagtgttgg gttgacagca aaccaattg tcaacttctc 240
 tgggtgttata ggcactaatg ttcttgctct tgggtgctgat ctttctt 287

<210> 45595
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041008H1

<400> 45595

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 acaccgacat cgctcgaca tctcaagaaa ttggtaacgg aacaggattg cccccattta 180

<210> 45596
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041009H1

<400> 45596

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 acatgtcgac tctgggaagt caactaccac tggtcacttg atctacaagc ttggagggtat 180
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<210> 45597
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041010H1

<400> 45597

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ccgacgcaaa agctcctcaa atcggttcgt ttcggtttcc gattccgctg cttgtttcgt 180

ctgtttgtgt caatgtaact caacgacgct ccttggtgag gccactcaac gccgaaccgc 240

aacggaacga ttctattggt cctcttgag caactatcgt tgctcct 287

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<400> 45598

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agaagcatct gaagaggctt aatgccccaa agcattggat gcttgacaaa ctgggtggtg 120

catttgctcc taagccctca tctggaccac acaaatcgag ggaatgcctg ccactcatc 180

tcattttgcg aaaccggctg aagtatgctc taacataccg tgaagtcatt gctattctga 240

tgcagcgaca tgtccttggt gatggcaaag tcaggactga ca 282

<210> 45599

<211> 209

<212> DNA

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tcaagaccct caccggcaaa gacatcaccc ttgaggtgga aagctctgac accatcgaca 120

acgtcaacgc caagatccag gacaaggaag gaattcacca ggatcagcaa cgtctcatct 180

tcgccggaaa gcagctcgag gacggacgt 209

<210> 45600

<211> 258

<212> DNA

<213> Glycine max
 <223> Clone ID: 701040956H1
 <400> 45600

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 aaggtttcag gaccocgtagt cgttgcggat ggcattggctg gtgctgctat gtatgtactc 180
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<210> 45601
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040957H1
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<210> 45602
 <211> 265
 <212> DNA
 <213> Glycine max
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 <400> 45602

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 cgacccttcc aaggtcaaac aagtttcgtg gaaaccgaga gctttcgttt acgaggggtt 120
 tctgacggaa ttggaatgcg atcattgat ttccatgcc aaatcggagc ttaagagatc 180
 cgcggtggcc gataatttgt ccggcgagag caagttgagc gaagtcagaa cgagctccgg 240

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265

<210> 45603
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701040959H1

<400> 45603

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acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt gagaaggaag 180
ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa cttaaggctg 240
agcgtgaaag aggaatcacc att 263

<210> 45604
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701040961H1

<400> 45604

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gaagaagcca gcggagaaga agcccgaga ggagaagaag tccacggtgg gagacaaggc 120
tccggcgag aagaagccaa agcccgaaa gaagcttccg aagaggagg cgccggcggg 180
aagggaagaa gaagaagaga aacaagaaga gcgtggagac atacaagatc tacatcttca 240
aggttctgaa gcaggttcac cctgac 266

<210> 45605
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040962H1

<400> 45605

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accaacgaca tcaccactct ctccgatcaa ctacctcttt cgtcgcctta agtcatggca 120
 ggaattgcac ccgaggggatc acagtttgac gctcgtcaat atgataccaa gatgaatgag 180
 ctgcttacgt ccgatggaca ggatttcttc acatcctacg atgaggttta tgacagtttt 240
 gatgctatgg gcttgcaaga gaatctcctg 270

<210> 45606
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040963H1

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 ccttgacatt gatggtgttg ccaactcttt tgagaagaca agtttgaaga ctgtaagagt 180
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<210> 45607
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040964H1

<400> 45607

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 ggtgctgaac cagctattag tattgttgag gacaagaata tcaaaatagg tgagtgtcag 180
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 tttgacacgg attccaatat tgaatgctca gtgatgtat 279

<210> 45608
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040965H1

<400> 45608

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agaggtacgt tgagatcggg agggttgctc aaatcaacta cggcaaggaa tatggcaggc 120
tcgtcgtcat cgtcgacgtc attgaccaga acagagcact tgtcgatgcc cctgatatgg 180
tgaggtccca agtcaatttc aaaaggcttt cccttaccga catcaagatt gacatcaaga 240
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<210> 45609

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040966H1

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gttttttatt tagaggctaa catgagcttt gctgcgccat cacttggttc tgctgggtgg 120
agatctgcta gaagagcatt tgagtttggg agaacctatg ttgtcaggcc taaaggtaaa 180
caccaagcaa ctatagtctg gttgcatggc ctcggggata atggctccag ttgggtcccag 240
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<210> 45610

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040967H1

<400> 45610

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gctgttcaac taggtattcc agacataata cagaaccatg ccaaaccat ttctctttct 180
gacttggctc ctactcttca aattccacca gctaacgctg cttttgtgca gcggttcag 240
cgcttcttgg cacacaatgg aatctttg 268

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<210> 45611
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040968H1

<400> 45611

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gatgctgggtt ttgttaagtt ggctttaatt ctggattttc tttaggggtg gtacttatag 180
aaaatactgt ctcttggtat atcaatgtag aatttgatat attttcttat aacaaatgat 240
gcccgatatt ctactattta tgtcagtg 268

<210> 45612
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040969H1

<400> 45612

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tggtattgat atttgattat cagttacata gcagactaaa aagaaagaat tgaatcttgc 180
actgctaadc agtgaaagtt ttcttacagt tatttctttg aatctgatat accatctgca 240
tccctttttt ctcttctatg tgtg 264

<210> 45613
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701040970H1

<400> 45613

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ggaattacta tttgttgaca tgtcccaagc ttgagaggat tataaggaag catcttgagg 180
atgtcttcga gaaggacagt ggagtagctc ctggcatact tcgactcttc ttccatgact 240
gctttcctaa tggatgcgat gcgtct 266

<210> 45614
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701040971H1

<400> 45614

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gcgcaggaaa cattccacca tggccaacaa tatatactat ccagcttctt gagtatcaca 180
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aattttgaat cagcattacg aatgcat 267

<210> 45615
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040972H1

<400> 45615

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aaccgctcc cgaacctgcc tccgccgatc ctcccccgga ggagaatgag gagaccaaac 180
ctgaagccaa ggctaagaaa accaaggagc ccaaacctaa aaaggtttcc agacctcgca 240
accctcccac tcattcttcc tacg 264

<210> 45616
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701040973H1

<400> 45616

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gctgacgtca acatcggttcc cgatggtaat tgtaccctcg aaaccgcag gatcgtctag 180

aagtgcctga tgttccagaa gatgttagat tcggattacg aggctacggg atcatgatag 240

gaggaccacg ctggctatt 259

<210> 45617

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040974H1

<400> 45617

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tgaggtaaaa agtaaaactta aaggccatac taaaagaata actggtcttg ctttttctca 120

tgtgttaaat gtgctagttt catctggggc agatgctcag atttgtgtac ggaatactga 180

cggatgggaa aagcaaaagt ctagattctt gcaacttcct gctgggagga ctccaccagc 240

acaagcagat acccgtgtac 260

<210> 45618

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040975H1

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gaaatttgaa gccatggttc ttgactccat tctgacatct cctcgtctca agtctccatc 120

tttcaggaga cagtttaaaa aggatgaact gggtagtgg tccacacttt tccagaggca 180

tcgcttcctc ttatctgctc ttgttctgct aactctctc tgcactgttt atctttactt 240

tgctgtcact ttaggggcta 260

<210> 45619

<211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040976H1

 <400> 45619

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 aggaagcctt cagcttggtc gacaaggacg gcgatgggtg catcacaacc aaggagcttg 180
 gaactgttat gcgttcattg gggcaaaaacc caactgaggc agagctccag gacatgatca 240
 atgaagtgga tcctgatggg 260

<210> 45620
 <211> 111
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040977H1

 <400> 45620

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<210> 45621
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040978H1

 <400> 45621

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 tatgacacag atactacgat gaagagaggg gacgacgaag acaagtccgg gggggcccat 120
 gttcccaagg ctgcatgaga atgatagcag agcaaggagg tgcaatagca ctaccagcgt 180
 gcaagacggc tctttatgaa cagttcagta ttccatctca gaagttccat ccacgccttc 240
 tt 242

<210> 45622

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040980H1

<400> 45622

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 atcctggaat ttggcagggc aagagcattt aggacctctc tgcacactgt atgtgttttt 120
 aataggggta ttgaattttt attcccacca acttctgaag ctagagattc aatgtttgat 180
 gaggcttttag ctcatgcatt aggtgctact gaattcttca cctggacata tcaattgttt 240
 agcttttggc catataggtg ctactaaatt 270

<210> 45623
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040981H1

<400> 45623

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 caaagttaag ggacccaaat ttcaagagat tgtaaatatt cgtttaggag atggagctac 180
 tcggcggtgga caagttctag aggttgatgg cgaaaaggct gttgttcagg tatttgaagg 240
 ccatctggga t 251

<210> 45624
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040955H1

<400> 45624

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 acgaaaagga atcccaatgg ctttggggct cttggcgatg atcctcttct tcattgcac 180

ctcttctctt cacctcgatc gcgcttccgg tgaagccgac gacgcgatct tctacgagtc 240
gttcgacgag gattttgatg gacgggtgga 269

<210> 45625
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701040929H1

<400> 45625

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tgattggtgc cttccgccac atgatcaaaa cagagggctt cttttctctt tacaaggggtt 120
tatcaccctc cattatcagc atggcacctt caggtgctgt ctactatggt atttatgata 180
ttttaaagtc agcatatctg cattcacctg aaggaatgaa aagaatccaa cacatgaaag 240
aagaggggtga agagctgaat gcaactggaa 269

<210> 45626
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701040930H1

<400> 45626

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tttcccgcga cggctcctcc gacctcgtcg accaggccgt cgccatggcc tttggtcagt 120
gccgcagcac caattatgtc cgcattcagg caaatgggtc aagtatgggg cgatgtggac 180
ccaatgtgga tacagattca agtcccggca atgtgaagat gctgatagga atagcagagg 240
agatgttgaa gcaggagaat gtagagtctg ttct 274

<210> 45627
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701040931H1

<400> 45627

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 aggtaaggca tcagctgtag cgatcaatgc agagattcgt cgtactaagg ctcggttgct 180
 ggaggaggtt cccaagttgc agagattagc tgtgaaaaag gtaaaggggc tttcatcaca 240
 agaatttgct gcccgtaatg atttggttct tgca 274

<210> 45628
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040933H1

<400> 45628
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 gaaacgctgt cgttgcggca ctcgcggcgt tgggtgctact cgcggcgagt gtggcggtgg 120
 atgctcagga gaactcggac gtgaagacgc tgggtgaagta caagcacggg aagaagtact 180
 gcgacaaagg atgggaatgt aagggtggt caatttactg ttgtaacctc accattaccg 240
 attatttcca gacctaccag ttcgagaatc tgttctccaa gc 282

<210> 45629
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701040934H1

<400> 45629
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 agcgtaaccc aaaattccat tgccagattt attagagatc annacagaac aggagaaagc 120
 agcaagattc cttgtatacc gctcttggtg tcatatcccc taaatgtaat ttacacact 180
 cgctgggttat aggaaaaagt tgagatagat ggaaggtaat agcagctcgg aggggatggt 240
 cgatgatttc ttcgagcaga tcatagcagt 270

<210> 45630
 <211> 277

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701040935H1

 <400> 45630

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 cgacccgacc ctgatccact tcaagattat tgtgtagcag atagcaaaag tgaatttttc 180
 attaatgggg tgccttgcat tgacccagat aaagtttctt cctcccattt tgtcacatct 240
 gctttatcaa aaactggcaa cactagcaac caatttg 277

<210> 45631
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040936H1

 <400> 45631

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 tgtttaaact cctacttgct gcgctgttaa tatattcttt attctttttt ttctcccgt 180
 ttctagcttg atccctcaca cagagctcaa aagttgttcc aattccccaa gaattcgaac 240
 acgagattag ttcttagctc tctctgttcg agttct 276

<210> 45632
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040937H1

 <400> 45632

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 tttgtgctac caacatgact atagcagagg atagtttgat gcaggtggtg gaggatgaag 180
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ctctcttcgt tgagccttct ccttttgcac atg

273

<210> 45633
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040939H1

<400> 45633

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 aacccttctt cctcttttct ttgaaacctc tttttttcta ttccccaacc aaacaagcaa 120
 acgctactca ctcatcatca ctgagatcat ggctccta atcaccactg tcaaaaccac 180
 catcacccgac gctcaagcca aggtcgccac cgatcatggc cgtgcctacg tcaccttctt 240
 cgccggaaac ggtgactatg tgaaagggtg cgt 273

<210> 45634
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040940H1

<400> 45634

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 gttcagcccc ataggcatga tggcattgtc attgctaagg gtaaagaaga tgctcttgtt 180
 actaagaatc ttgtgcctgg tgaagctgtt tacaacgaga taaggattac cgttcagaac 240
 gaagacagtt ccagagatga gtacagagtt t 271

<210> 45635
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040941H1

<400> 45635

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gagacacaat acataaggag gcatcacaaa catgaaccaa gggaaaacca gtgcacctct 120
gcacttgta aacacataag agtcctgtt caccttgtgt ggtcgctggt gagaagattt 180
gatcaacctc agaaatataa accatttggt agcagggtga tcatgcaagg ggatcttggc 240
atcggaagtg ttcgagaagt gaatgttaa 269

<210> 45636
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040942H1

<400> 45636
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ccgcggtggt gatacctcat ggctctaccg gatcctattt acttagcggc gcaagggtga 120
gatggtagaa taatgacgaa gaatttgtaa agtacacggg cataggtgat tatttcgaag 180
acaaggccgt gtcatcactc ggtgccaaat ggaatggcaa aagtgcagct gaattgctgg 240
actcacttga cttctacaga gatat 265

<210> 45637
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701040943H1

<400> 45637
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tgaagggtgg tgggtgattag gttattagcc cttagggttt ataaatgttg agtacctcta 180
cttattctgt cttcaccgt tcctttctcc ccagtcgaat taagggtatc ccccgaccag 240
ctacacttcg accttttctt gggatc 266

<210> 45638
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040944H1

<400> 45638

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gatgcatctc tcaagtgtga gatatggatg cttagcaggg tgaagaacta ccttgaagac 180
cagttgcttg gttttgcttt ggtacccttg tctgaagtac tgggccagaa tgggaaactt 240
gagaaagagt tctctctttc ttca 264

<210> 45639

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040946H1

<400> 45639

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agggtcaatt gctagatggt acttttatag cgggtcaagca actgtcatca aaatcacggc 180
agggaaatcg tgaatttata aatgaaatag gcttgatatac ttgtgtgctc accctaacct 240
tgtaaagctt tatggatact gtgctga 267

<210> 45640

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701040948H1

<400> 45640

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acataacctt tgtccacact gagtacaact acagacgctt cctcaattca aagggtcccg 180
acgcccttga tgagcttcct gattttcgct tcgaaaccat cccagatggc cttcctccct 240
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<210> 45641
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040949H1

<400> 45641

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 acgccaaaca acacagcgcg gatctcgtcc aaatcgaccc caccgcaccc ttacaacaac 180
 aatgtccttt ccaactgcgc attcacaac tccacaccca aactggaaa aacctcctcc 240
 aacaattctc atccaaacac ccaaacaccg taatcatcga cc 282

<210> 45642
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040950H1

<400> 45642

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 agcttcaaat tctccttggt tgggttggtat gtgtgtatgg agtatgatgt cgccgccggc 180
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 aaatccttgg accgtttctc tcagaatggg 270

<210> 45643
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040951H1

<400> 45643

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tatcgccatt ttgattgtgc tgctgactac aaaaacgaag cagaagttgg agatgcgctt 180
aaggaggctt ttgatagtgg ctttgtgaag agagaggatc tcttcattac caccaagctt 240
tggaattctg atcaaggcca cggttcttgag gcg 273

<210> 45644
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 701040952H1
<400> 45644

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aaccggttat tcaccaaggt gttgtacaag ggtgatgtgt ttgtgttccc aatagggctg 120
attcacttcc agcaaaacgt aggttatgga aatgccgtgg ccattgctgc tcttagt gc 180
caaaaccctg gagttattac aattgcaa at gctgtttttg gatctaaacc tcctatctct 240
gatgaagttc tcgccaaagc ttttcaagt 269

<210> 45645
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 701040953H1
<400> 45645

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cccactactc cattccggga agctctgggt atctggacat ataccagag aggaaagtct 120
ctgcctttca aaacccttac attatgggct tcaactgctgt cgctatcatt ggtggattgc 180
tctttggcta cgacactggt gttatatctg gagcccttct ctatatcaaa gatgattttc 240
cggaggtcag gcacagtaat ttt 263

<210> 45646
<211> 268
<212> DNA
<213> Glycine max
<223> Clone ID: 701040954H1

<400> 45646
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acattgatga accctaccaa tgcaaccctc tctccccatt tctatgataa agtttgccct 120
caggcattgc cagttataaa gtcagtgggt caacgagcaa ttatccgtga gcgacgcac 180
ggagcatctc ttctgcgctt gcatttccat gattgtttcg taaatgggtg tgatggatca 240
atattgctag atgacacccg aaacttca 268

<210> 45647
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701040928H1

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tggaaaacca gtctctcaat gcggttgtga tgagtacaac tttcaatgat caaatgtcct 180
ataagattgt gttagtcttc ggtgaactcc ctaacctttt gtttaaagtc tacaactctg 240
gttctagctg ttgggaagat gaggctg 267

<210> 45648
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040895H1

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tgatgtggtt gcttagtggtg tgtgtgtgtg tgagtgttgc tgctacttgc tagatagttc 180
cacatcttct tgagg 195

<210> 45649

<211> 291
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040901H1

 <400> 45649

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 aaggagatgt cttcctctgt caccaatggc gatgattccc tcaactgggtca catcatatct 120
 acaactattg gaggcaaaaa tggggaaccc aaacagacta ttagttacat ggcagaacgg 180
 gttgtaggaa ctggatcatt tggaattgtt ttccaggcaa aatgcttgga aactggggaa 240
 gcagtggcta ttaaaaaggt ttacaggac agaagataca agaatcgca a 291

<210> 45650
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040902H1

 <400> 45650

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 tttttctctc acctgaaaat gtcttgctgc ggtggtaact gtggttgagg aagcgctgc 120
 aagtgcggca acggctgcgg aggctgcaag atgtaccag acttgagcta caccgagtca 180
 accaccaccg agaccttggc catgggagtgc gcaccagta aggctcaatt cgagagtgc 240
 gaaatgggtg ttcccgtga gaacgatggc tgcaaatgtg gagcta 286

<210> 45651
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040903H1

 <400> 45651

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 atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
 aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180

tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240

caactccccg cggcctcatc tccgcttcca tcgc 274

<210> 45652
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701040905H1

<400> 45652

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ttgagtaact atggcatctc atcctgaatg gcttcatttt gtatccagat ttgcttcagt 180

ggtgatccac taactaatta tcgtcactta tgttttttta tcagtaaagtg ttagtttggt 240

agttttgttg gaaatgtcag tagggagatt caaaat 276

<210> 45653
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701040906H1

<400> 45653

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tatgcttggg agcacaacac aatgaaagaa aacgtaggaa accctctgca cctaaagtct 120

gtgaaccata tctctctcat ctgtacctcc gtgaaagaat ctatcaactt ctaccagaac 180

cttctcggat tttttcccat caggaggccg ggatcatttg attttgacgg ggcattggcta 240

ttcggatagc gaattggaat tcacttgctg caag 274

<210> 45654
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701040908H1

<400> 45654

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 caattcggca tgacattgtg agcttcatcc atgaccaaatt tcgcagaaac aagcgacaag 180
 cgtatgctgt gtcaaccgct gccggtcac aaacttccgc cgaatcgtgg ggcactgggtc 240
 gcgcactggc gcgtattccg agcgccgtg agcggtg 277

<210> 45655
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040909H1

<400> 45655
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 atttcatctc caaagggatc aacagggtcga aggagaaatg gggctgacat tcacgaagct 120
 ttccagccgg cttttcgcga agaaggaaat gcgaattctg atgggttggtc ttgatgctgc 180
 tggttaagacc actatcctct acaagctcaa gctcggagag atcgttacta caattcctac 240
 cattgggttc aatgttgaga ctgtggaata caaga 275

<210> 45656
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040910H1

<400> 45656
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 atatgctcgg cactatcatc ccaaagatta ttggggccac ccgggctatt gagatcgttg 180
 aaggaaatgg acgacccgga acacgtcaag aacattacag ctagtgaaag tgaccaaacc 240
 atgttcgtgc cg 252

<210> 45657
 <211> 268
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040911H1

<400> 45657

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gagatggcga acgaaacgct gtcgttgccg cactcgcggc gttggtgcta ctgcgcggcga 120
gtgtggcggt ggatgctcag gagaactcgg acgtgaagac gctggtgaag tacaagcacg 180
ggaagaagta ctgcgacaaa ggatgggaat gtaagggctg gtcaatttac tgttgtaacc 240
tcaccattac cgattatttc cagacct 268

<210> 45658

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040912H1

<400> 45658

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ttgccacact cctccgtttt ctacgctccg cataagttaa ttcattcgat aatggcatcg 120
cgagcaattt tgagaaggag gagaagttta atccatcaat acttgaataa ctgtattgct 180
tcttcttcgc cgtctcccag taatcgtctt ctggaattcg ctatagctac gacgtcacct 240
ttgtttcctt gtaagcatgg aacgacgccg ta 272

<210> 45659

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701040914H1

<400> 45659

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tcattctctc tcttgatta cagcgacact gttcaaact cttttctttc taaaaattaa 120
aagcaaagaa tttacgtaag agactgagat tgagtgagt aatggagttt agtaacctca 180
ctctggagat cttctccaaa ctggagcaaa aatggctctc acattgtaaa gccaccaaca 240

aaactcgcat tctcagcatt gacggcggag g

271

<210> 45660
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040915H1

<400> 45660

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tcttttcgaa ccgagagcct gatattattg gaactcctgc taaaggaaaa aaattgcctc 120
aggaagagct ttctctacaa cagaaattat cagttgcaga tgtgacatgt acaatgtgca 180
agcaactgct ctttcatcct gtagttctca attgtgggtca tgtgtactgt caaatttgtg 240
tcatcaacat agatgacgag atgctcagat gtaaag 276

<210> 45661
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701040916H1

<400> 45661

aggctcgagg ggatacccca atacggaggc agcatggctg ggaacgtgtt gtacccaaag 60
gacaacaaaa agggttgcaa ggagttcgat gaggatggga tttccttcaa atccaaaccc 120
ggtgctcttc ccactatcgt tttgctcgat cgaggaaatt gcttctttgc tttgaaggta 180
tggaatgcac agaaggctgg agcttctgct gatcttggtg cggatgatat tgtggaaaag 240
ttgataacca tggacactcc tgaggaggat gtgtca 276

<210> 45662
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701040917H1

<400> 45662

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 agtgtttcag aatgttttat caaaccgttg ggccaagcta aagagtcaaa cctaatatgt 120
 catttaacac catgggatat tgctatgatg tctttgcaat acatccagaa aggtctactc 180
 ttcaagagag ctgcaacact tgttgatcca caagatctca tgggagatct gttagagaag 240
 cctgaacact ctccttctct cacctcttcc attct 275

<210> 45663
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040918H1

<400> 45663
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 aatttcttct ttgctgagca gcatgcaaga ctaaagctac ttcaccatgg aaaggacaga 180
 gagattagta ggatgattgg tgaactctgg aacaagttaa aagaatcaga aaagacggtt 240
 tatcaagaga aggccatgaa ggataaagag aggtacagag tag 283

<210> 45664
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040919H1

<400> 45664
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 gttgcctctc ttaaggctta tttggcagag ttccatgcaa ctctgatttt cgtgttcgct 120
 ggtgttggtt cagccatcgc ttacaacgag cttacaaaag atgcagcctt ggatccaacg 180
 gggctgggtg cagtagctgt ggcccatgca tttgcactgt ttgtaggtgt ctccgtcgaa 240
 gccaacatct cgggtggcca tttgaacca gctgttactt 280

<210> 45665
 <211> 276
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040920H1

<400> 45665

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 ttccctaact tcgaggccac caactttctca tatttcaaga caaaaggaat ggtgggttta 120
 tctcttgag aaacgcattt catccaaggt ggcattgctc aagatcttcg ttgtgatggt 180
 agaaagagat tgacatatcg accaatctct gttgatactg gagtgattcc ccagaccaat 240
 gggtcagcaa gagtcagaat ggggtgccaca gatgtt 276

<210> 45666

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040922H1

<400> 45666

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 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180
 cgccggaaaag caacttgagg acggccgtac ccttgctgac tacaacattc agaaggagag 240
 tactcttcac ctgctcctcc gtctccgtgg tg 272

<210> 45667

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040923H1

<400> 45667

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 tgcactgctg gaatctccgg ggggtcacata aaccagcag tgacatttgg gctcttcttg 180
 gctcgcaagg tatctttgat tagagccata atgtacatgg tggctcaatg cttgggagcc 240

atatgtggag ttgggttggg taaggcattc

270

<210> 45668
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040924H1

<400> 45668

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 catggttgcc gctaagaaaa ctaagaagac ccatgagagc atcaacaaca ggctcgctct 120
 tgtcatgaag agtggcaaat tcaccctcgg ttacaagacc gttctcaaat ctcttaggaa 180
 ctccaaaggg aaattgatta tcattgctaa caactgcccc cctttgagaa agtcagagat 240
 tgaatactat gctatgttgg caaagggttg agttca 276

<210> 45669
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040925H1

<400> 45669

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 cctgctggga actctactgc ctggaacatg gcatccagcc cgacggcatg atgccttctg 180
 actccacctt cgggttagcc cagcagcct tcaacacctt cttcagcgaa accggatctg 240
 gcaagcacgt cccccgtgct gtcttcgctg 270

<210> 45670
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040927H1

<400> 45670

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atgtattcgt cttcaacatc atctgcctct gtctcgtatt ctacttccca aaaaccaacg 120
aatggggcaa ctcaggtgga tgggtgtaca actgtcaatt caaaagtgcg tgatagttat 180
gattcaagaa agacacaggt tgagattact ccagaaaagc aaaagcttgc tgcttctttg 240
tttgggtggtt caactaaacc tgagaaa 267

<210> 45671
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701040894H1

<400> 45671

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ctcttcccg cgttaacttc tccggcaacg ccatggcttc gccgtcgtgc cgcgtcaaata 120
cccggccaat agtcgccttc gccaccgcca ctgccaccgc tgaagctcgc tcttcctgga 180
cggagcaacc gaga 194

<210> 45672
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 701040853H1

<400> 45672

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aagagaagga aaaacacaca cacacacaca cacacacgtt aaactaacat tttttattag 120
taagaagaca tggctcaacc cagttccaac ggggatctga ataataacca gcagggtcag 180
gttcagcaac agcagcagca gtggg 205

<210> 45673
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: 701040854H1

<400> 45673

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 tgacgttcac aagattggaa ggcaagacta aagattccac cacctgatac aagctagaaa 180
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 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040856H1
 <400> 45674

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 caacaagctc gcttccaaac accaacgctt ctccctcacc caccctctctg cgaaacattt 180
 tccctctctgc gatgtttg 198

<210> 45675
 <211> 196
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040860H1
 <400> 45675

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 ggaaccacaa tattgaagct tccacaaggt tccaatgatg tgcttctaaa aaatctctac 180
 ctttctctgtg accctt 196

<210> 45676
 <211> 199
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040861H1
 <400> 45676

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 gtttcttctt caaatggcag aagttgaaga catagacaac cctcatcagc accaccatca 180
 ttacctttct tctttctaca 199

<210> 45677
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040862H1

<400> 45677

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 gtttcaaccg catggaggag tgtgagaagt atccagaagg ccctctcagg ttcaggggag 180
 ttggacgcca tcggttcctg 200

<210> 45678
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040863H1

<400> 45678

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 aacagaatga gagaaagaaa aaggatgaga aaaccatttc agaattcata atcatacctt 120
 tttccactct gacgccattt aattattcat tcatattaat attaggctct caccctccat 180
 tccaattgct attagattc 199

<210> 45679
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040864H1

<400> 45679

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 atttggctcc tccataattc aaatgagctt cgacaatggg ggttgggggtg ctattctagc 180
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 <211> 208
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040865H1
 <400> 45680

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 catcttgaat catgggttca acaggtgaga ctcagattac cccaaccac gtatctgatg 120
 aagaagcaaa ctttttcgcc atgcaactag ccagtgttc tgccttcca atgacctca 180
 aatcagcact tgagcttgat ctgttgga 208

<210> 45681
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040866H1
 <400> 45681

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 ctcttaaggc ttatttcgca gagttccacg caactctgat ttctgtgttc gctgggtgtg 120
 gatcagccat cgcttacaac gagcttaca aagatgcagc cttggatcca acggggctgg 180
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<210> 45682
 <211> 204
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040867H1
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 agccaagggc aaaaagggaa tgatgtctcg tcaatttcag cgcaatgctc ctctctcttt 120
 acccaagatt gaagacgatg gcaatcccaa attcgtcatc ttcattcgca tggccaatgt 180
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<210> 45683
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040868H1

<400> 45683

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 tggctattgt gaacaaagtg catgggcaag gcacgcgtgt agggttctat tcgagtacat 180
 gccacgcgc tgagtccatt 200

<210> 45684
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040870H1

<400> 45684

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 tttgataaat ttagctactt ctcaagttgg aagggaggaa attgtatcta ctctggact 120
 cattggtgca ttggcttcga tattggacac cggtgagctc atagaacagg agcaagctgt 180
 ctcttgcttc ct 192

<210> 45685
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040871H1

<400> 45685

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 ctaagcttct tccactgcac attttcactc gatcaaccca gaggatgagc ccagctggat 120
 tggcatggaa actgaagaca ttaacattgt aagaaccgg agagatactt ggaaaaaatg 180
 tgactactct gttggaaaa 199

<210> 45686
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040872H1

<400> 45686

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 tttggatcct ttcactttgg cgtgaccgaa ccattccact cctcgcgaaa acggtgtcgt 180
 gtcgatcgcg ttcgggt 197

<210> 45687
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040874H1

<400> 45687

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 agaccctttt gtgaaatctc aaccggttga aatgaacaat tatgtagcag attcagggaa 180
 gtaccaagtg aaaca 195

<210> 45688
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040875H1

<400> 45688

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 gcctccaggg caagggattt ccttgcaatt ttcagagtaa tgggagttct atggaaggct 180
 ttacagagct taaaaa 196

<210> 45689
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040876H1

<400> 45689

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 ttgtttgata tcatagacaa ggcagagagt tcaaatttgt cagcctctgg gattgcttct 180
 ttgcttccaa tccaca 196

<210> 45690
 <211> 58
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040878H1

<400> 45690

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<210> 45691
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040880H1

<400> 45691

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 gggcacccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgagg 180

caggaccctg acag

194

<210> 45692
<211> 87
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040881H1

<400> 45692

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gcttgataag atctaagatt tgaagtt 87

<210> 45693
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: 701040883H1

<400> 45693

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tttcttttgc ccgtgcgtgt gaaagatcgc agcaactcca ccaccatcac aacagcaccg 120

taaccgattt ccaagggtga gttatttgct ggtctaactt aaccatactg tctattttga 180

ctcctgagat tgctagtgag 200

<210> 45694
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<212> DNA
<213> Glycine max

<223> Clone ID: 701040884H1

<400> 45694

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cacgtacgac gagaagcgga aactagggtta tggtta 95

<210> 45695
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<223> Clone ID: 701040885H1

<400> 45695

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 agaagggaca agagtccaag aaattgattg tgggtggattt tactgcttct tgggtgcggcc 180
 catgccgttt cattgcc 198

<210> 45696

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040886H1

<400> 45696

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 tattcaaagc tcgattgtga atctgagtgt ttttttactt tgattcgatt cgatatgaag 180
 cgagcgagga aatccaa 197

<210> 45697

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 701040852H1

<400> 45697

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 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180
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<210> 45698

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040887H1

<400> 45698

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 tgagattacg gaaagggcat ctgcggtataa gcgtgaggca gaatcattgg gcaagaaata 180
 tgaagagaaa taaaaac 197

<210> 45699

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 701040888H1

<400> 45699

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 tcttctgagt ctccctgcaa agagcaaaga tctttccaca accaccccc ctcttcgct 180
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<210> 45700

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 701040889H1

<400> 45700

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 tacagatgca ctgacagaag gaaaaatgcc atacaacatt tcaagcaggc actgtcaatg 180
 gatcctctta tgtgg 195

<210> 45701

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: 701040890H1

<400> 45701

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agggagttagg agaggattgt ctgagtcgaa atgcaatggc ggcttttgtg tttccaaaat 180
ttttaggtgt ctgg 194

<210> 45702

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 701040891H1

<400> 45702

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tcagcacctg cattttggcc atcaatggtg acacagatcc aaatgacgtt acttctctaa 180
aggttttgtt t 191

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<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 701040892H1

<400> 45703

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ataaataaac ctttcaagat ctcagacggg cagaagatca aagccaagac aacacactct 120
catatataaa agagtgtctc tgataatttg atctttgtat cttctctttc tctcctttga 180
gatttttcag ca 192

<210> 45704

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: 701040893H1

<400> 45704

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tgagcaacga caaggacacc ttcaacgtcg ctgatctcac ttccgctctc aacgaggaca 180
atagagcaga cctt 194

<210> 45705

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040814H1

<400> 45705

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catgggctat ggctcttctt gcttcttctt ttgattcagc tgctgtagtg gaacgcactt 180
tcaaagttca aaacaagact atcaaacgct tgt 213

<210> 45706

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701040816H1

<400> 45706

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ttcgggagcc cggatccgaa cccggtgatg gctgcgccgg agaacctgcc gcagaagaat 120
cactacagag gtgtccggca gcggccctgg ggcaaattcg ccgccgagat ccgcgacccg 180
aacaagcgcg gctctagggt ttggctcgga acctt 215

<210> 45707

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 701040817H1

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gcgttatggg aagggaagtt actggcatatc aggttatgga aaagaagcca aatgggtgcc 120
taggggcttc aaatggcagt ttaagtgata gaatgcgtgt ttctcccaa attgcggaaa 180
tggttcaagc aatggatcat gagat 205

<210> 45708

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040818H1

<400> 45708

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gatacctgcc gtgctggatt cgaaaccaat gccacctttt atattcgagg tgcaagggtc 180
ggaattcagt gcaaagagag gaagaccattg aaggta 216

<210> 45709

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701040819H1

<400> 45709

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ctctatggga gaagcaccag cattgcttgt tgatgacgtg caggatgggg ctctgaatgg 180
ccttgaattg aaaaatggaa cttgcaaaac aactg 215

<210> 45710

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040820H1

<400> 45710

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attgagaaat ggctaaagat gttgaggttc aagagcaagg aggagagtac tctgccaaag 120
actaccatga ccctcctoca gcacctttgt tcgaccaga ggagctcaca cagtggctct 180
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<210> 45711

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701040821H1

<400> 45711

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gaccttcttc gtttctcgca aagtttaagt cctcatgggt aaggaaaaga ctcacatcaa 120
cattgtcgtc attggacatg tcgactctgg gaagtcaact accactggtc atttgatcta 180
caagcttggg ggtattgaca agcgtgtgat tg 212

<210> 45712

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040823H1

<400> 45712

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actgtgaaag agagttatgg caggaggtgg tggagctcca gcacctaaga ttgatgagcc 120
acaacctcat cccccgaagg atcagttacc gaatgtttct tactgcatta cgagtcctcc 180
tccatggcct gaggccatac ttcttggttt tca 213

<210> 45713

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 701040824H1

<400> 45713

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 cacctaccta cccactcaaa tgcttgatt atcttcattt gtataaaacc aaagacctct 120
 caatccatca tttgtctcca gctcatgaga agtgcacat agttagaagc aaaccacccc 180
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<210> 45714

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040826H1

<400> 45714

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 ctagtggtgt cagttatata agtaaggggt ggtgaacggg atagttccca cttgtgaatc 120
 atcattatca ttattaccaa acttctctac aaaacaaaa cctccaagcc cttaactttt 180
 gagtcaaaat ttatcatttc aaagcactct ccaa 214

<210> 45715

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040827H1

<400> 45715

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 taaatctcac tgcattcatg gcttcggaga agatttctc gattctcttg ttttctgctg 120
 taattttgct tgtccgtgat gctccttctg ccatagctgg ggacatagtt cacgacgacg 180
 attcaactcc caaaaagccc ggttgcgaga acca 214

<210> 45716

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040828H1

<400> 45716

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 tttttttcgt ttttgggtct tatgaacgaa ccacgtctat agttttaatt tggatgacct 120
 ttttgtatac aaagtcacat gtgacgtctt acagcttttg attattatta agatttaatt 180
 atatgagtc ttaactt 197

<210> 45717

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040831H1

<400> 45717

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 ctctctattt ctctttccat ctctcaagtt ctgaagaaga aacatgtgtg gaggtgctat 120
 catctcagac ttcatgtgtg tgaagcgtgg ccgcaacctc gccgcgcagg aactatggtc 180
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<210> 45718

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040832H1

<400> 45718

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 tcgcattgtg gaacttctga tttgcattaa gtttggacac ggcttgtatc caaaaccaat 180
 gcctatatgg ctggtaatat tctggtcggg tgttgg 216

<210> 45719

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 701040833H1

<400> 45719

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ctccttcact tgctgcggtc acagagcctc cgccacgtgt ccaaaaacgc tccttcagca 120
tatcggtgtt ttgggtcctc tacctgtcaa cgaccatta gcccgaatcc atcattcaaa 180
acttcctccc atcttgctgt tttccaaaga agatgggcat c 221

<210> 45720

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 701040834H1

<400> 45720

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tatcagtacg tgagaggtat taattcataa cttttacat ataaaagtgt tgcaacaact 120
ccttggtaaa aatccattcc attaattgtca attttcttag cctagtcagt accctgcctt 180
acatctgcgc aaatcgaact tgtaaaccctt tgcttcac 218

<210> 45721

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 701040835H1

<400> 45721

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ttgtgagaga cccctatca gagaatccag aaggcgaaga agaagaaacg acagagcaag 120
aaggaaatgg cgaccaacat tgggatcatg gatgcggctt acttcgtcgg cagatctgag 180
attctttctt ggatcaactc aa 202

<210> 45722

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040836H1

<400> 45722

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cagaaaacac caaatcaaaa gaatcgagca aggagtggc ttcaacagca aatgttgac 120
tcgatcatct ccaatcaaaa catgaaagct tcaacaacca aaatacttcc ccaaccgaga 180
tctcaacaag ctcttcaatg tctccaatgg gaggggt 216

<210> 45723

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 701040837H1

<400> 45723

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atcttcttgc aggaacctac caatgccctt agaaagacct acattgtgta catgggagga 120
cattctcatg gtccagaccc ttgacctagt gatcttgaaa cagccacaaa ttcccatcat 180
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<210> 45724

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 701040839H1

<400> 45724

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aggggtttta gggaaatggg ggcggggggc ctttgggttc aaggcggggt ttaataaatg 180
ggaacaaagc ccccagga 198

<210> 45725

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040840H1

<400> 45725

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ctatcagtat atacttgaaa ccagtgtcta tccaagagag cagcagtgct tgacagagat 180
acgcaagatg actgcaaaac acc 203

<210> 45726

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701040842H1

<400> 45726

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gataactctg tagatgactt ctgtggcctt gtaatgacag ctggaaagtc tggcagtttc 180
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<210> 45727

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701040843H1

<400> 45727

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atcttttttt aatcctaaat catgcatact ccagacacct agtttcattt catcattaca 120
cgcacacctt atttatztat atggaaaaaa aatcaaata atagagccag acaagtgttg 180
tgttggtgag gttgaggttg 200

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<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 701040844H1

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cgaatgggtg tcctggggga tcaaccccag cggcaccggc atgggtggggg cacaggtgct 120
ggccgcgtac aaggcggagg gcaccgggtgc cgtcaccgtg aaaacgttgg accttaaatac 180
ttactctgcc attgttccg 199

<210> 45729

<211> 202

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040845H1

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gtcttccttc ctttcatcac tactactcaa cttaatatat aggaagctag ctgttagtcc 180
tctactgctt gcatcacttc aa 202

<210> 45730

<211> 201

<212> DNA

<213> Glycine max

<223> Clone ID: 701040846H1

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gcgtatcatc atcagaattc caagggtgat ttgcttcac ttttactccg gtttcatgtt 180
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<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040848H1

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cgtegtcggtt tgggtcgacc caagcaacaa gctctcgacg cgcgtggacg aaagcggcga 180
cactgacgcg aattgggacc aaa 203

<210> 45732

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040851H1

<400> 45732

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ttttcttttt ttgtttgaag ttccttccat ttagatctaa gaccagcaca gtttcctcaa 120
ccttagaact agttgcgcca gaacggcatc actcaaagct caactttgcc atagttctac 180
ttttttaatg ccccaattgt ttg 203

<210> 45733

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040813H1

<400> 45733

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cccttattcc tccgtcctcc gtcgagtcct ttccgattcg aatcgttccc agccttggtgc 120
caccatgaat cccgaatacg attatttggt caagcttttg ctgattggag attctggtgt 180
aggcaagtca tgtcttctcc tgagggttgc tgat 214

<210> 45734

<211> 190

<212> DNA

<213> Glycine max
 <223> Clone ID: 701040766H1
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 ctcccaattg gccattgat ggaaagtgac accaacaaaa attcattctg ggaagaggac 180
 ataacttgcc 190

<210> 45735
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040767H1
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 acctgcctcc gccgatcctc ccccgaggga gaaggaggag accaaacctg aagccaaggc 180
 taagaaaa 188

<210> 45736
 <211> 185
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040770H1
 <400> 45736

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 ttgtattaag atggaagcaa ctaccatcac caatgggagc caaaacggtt cgtttttgctt 120
 gtccactact aagggaagta gtgatccggt aaactgggga gcggcggcag aggcgatgaa 180
 gggga 185

<210> 45737
 <211> 159
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040771H1

<400> 45737

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 cactcagaaa tcagaatgtt tttattgttt gaggtgatt 159

<210> 45738

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040772H1

<400> 45738

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 gaagaaggcc tcttttaatc caaggccact tttcagatta ttcataact ggcttctaga 120
 tcttggttca cttgagcctg ttactgatgg tgcaaattc cagattttaa ctgcttttgc 180
 caa 183

<210> 45739

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 701040775H1

<400> 45739

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 caattaagag tgctaactat accctgtatg gcctaccagt aggca 165

<210> 45740

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 701040776H1

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 aattggaatt cccttcatgg aaactagtgc taaaaatgcc accaatgttg aacaggcttt 120
 catggccatg gctgctgaaa ttaaaaacag aatggcaagc cagccagtga acaatgcgag 180
 gc 182

<210> 45741
 <211> 185
 <212> DNA
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<223> Clone ID: 701040777H1

<400> 45741
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 tttgtttgtt aaaaaaaaaa aagctctcat gcttatcttc ttcccttagt tatgtttcat 180
 ttggg 185

<210> 45742
 <211> 204
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 45742
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 tttccaagtt ttcacgact caaccatgct attcttacat aactaggggt aggagttagg 120
 gcgttcttat cgttttcgct ccgttaatta caacaacggc caacatggtt gttctttcgc 180
 tttcacctcc cagcctctct accg 204

<210> 45743
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040781H1

<400> 45743

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catctctgca aatgagagag tgcattctga tccacattgg tcaggccggt atccagggtcg 120
gaaatgcttg ctgggagctc tactgtcttg agcacggcat cgggcccgat gggcaaatgc 180
caagtgaca 189

<210> 45744

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 701040782H1

<400> 45744

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agttttccct ccctttggat aagtctaagc tagacactgt aaattggatt taattatcat 120
gatttagtta tcctctacat ttatgtagag taactattaa gataattgtg ctcttcagaa 180
gaga 184

<210> 45745

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 701040783H1

<400> 45745

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ccaaatacca cagtttcaat cacatctctc tctctctctc tttctcgcaa atttctactt 120
tctgggtttt ctaatttgag attcgttggt ccaatgagcg atccacttgg tgggtgttcgt 180
tgac 184

<210> 45746

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 701040784H1

0022E0"ETTES0

<400> 45746

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cgtgcgcgcc aattggctgt aagcgggtcaa gggctgcaca gctcccaata ctatggcctt 120
cggttaagtg cacactcctt ctctaccaa agagaggatg aggaaaggga gcaact 176

<210> 45747

<211> 70

<212> DNA

<213> Glycine max

<223> Clone ID: 701040786H1

<400> 45747

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aagattggat 70

<210> 45748

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040789H1

<400> 45748

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tatttcagca cagttgaagt ataatttga tgttgtgtgc gaatatattg tgaagaagat 120
cccaatccct gaaaggaact ttgtttctcc acctaacatg attgttatcc ggtcatttga 180
tgt 183

<210> 45749

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040790H1

<400> 45749

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caccgagtca cagactcacc gatcttccga ttccctttcg tcttggttta tgagctcgaa 120

ggagagaccc actcttggtg gcacgcggat taagaccgc taacggtata ttgctgcgcc 180

g 181

<210> 45750

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040792H1

<400> 45750

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ataaataaac ctttcaagat ctgagagggg cagaagatca aagccaagac aacacactct 120

catatataaa agagtgtctc tgataatttg atctttgttt cttctctttc tcccccttga 180

g 181

<210> 45751

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040794H1

<400> 45751

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aggagtgaac cggagctggt ggctccggcc aagcccactc cccgcgaaat taagatccta 120

tctgagatag attctcaggc ggggtcttctg acccaaattc caatcataca gttctaccgt 180

a 181

<210> 45752

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 701040796H1

<400> 45752

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cacggtcact tcaccaagcg cccagaggag gttggtgctg gtgaccaggg tcacatgttt 120

ggctatgcc a ctgatgaaac ccctgagtac atgccctca gccatgtcct tgcaaccaa 180
ctcggg 186

<210> 45753
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 701040801H1

<400> 45753

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gggaattttc aaggagaagt tggttaaagc acccaaagag ctgaacagtc cagcttcggt 180
gaattcatgc actaagccta agctaagtca cgaaatcctt ca 222

<210> 45754
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 701040802H1

<400> 45754

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ggaaatgggg agttcagtg gcctgaactg aagaaaatta tggccaatga aaagcttgct 180
gagattgcct tgatcgatcc aaagcgtgcc aaaagg 216

<210> 45755
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 701040803H1

<400> 45755

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caattattcc aacacacaca aaagcttggt actactctga acatggtagt ccaggtgatg 120

002220" ETTT560

ttctcaaatt agatcctaatt tggcccttac cccaacaact caatgatgac caagtgtca 180
tcaaggtcat cgctgcatcc attaatcccg ttgat 215

<210> 45756
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 701040804H1

<400> 45756

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cgattatgga gaaaatttgg gacctccacg ataagctcag cgacgccatt cactccgtct 120
ccagatccca ctttctcact tccgtcaaaa cctcacaact caacaactct ccacggcacc 180
ttcccaacgc cgccgtcgcc gctgccgatg a 211

<210> 45757
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 701040805H1

<400> 45757

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cttgcaattt cgttgtaaca acaaaattcc cctattttcg gcacgccttt gttgaatttc 120
caatctctat tttcctttct ttctatttat acgtaataat tccaaaaagc ctaacgcgag 180
agattcatca gtttttcaat tattcctcga attt 214

<210> 45758
<211> 209
<212> DNA
<213> Glycine max

<223> Clone ID: 701040806H1

<400> 45758

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tggagaagtt ggtcccaaga cagttcacat tccgaccggg gagaagcttt atgtgtttga 120

tgcagcccag agatacaagg ctgaagggca ggacaccatt gtgctggctg gagctgaata 180
 tgggagtgga agttccagag attgggctg 209

<210> 45759
 <211> 190
 <212> DNA
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<223> Clone ID: 701040764H1

<400> 45759

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 actcactctc attcattcac catgacgaaa caacatgccca attggtctcc ttacgataac 120
 aacggaggat catgtgttgc gattgctgga gcagattact gcgtcatcgc cgcagatacg 180
 aggatgtcca 190

<210> 45760
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040807H1

<400> 45760

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 ggagtccga ccactcgacg acacgtccct catcgaatac ataaagtccg tccccgcct 120
 ctctccaaa ctccgcgaca acctcgacga cttatcagtc aaagaagtcg gagatggcaa 180
 ccttaacttc gtcttcattg tttccaaccc cg 212

<210> 45761
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040808H1

<400> 45761

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ttccattaac attttcaatc tctttcaact aagacacgtt cctctttcca ttcctttctt 180
cctccgtccc attctcgaat tggcgtgtg 209

<210> 45762
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 701040809H1

<400> 45762

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ctcccagttg ttaccttcat cctctctttt cttttacgta ctttctcaa tcttttatcc 120
aaacggaaca atgattccaa aaaacctca ccaccgtctc ctccaaagct tccaataata 180
ggaaacctcc atcaacttgg taccacatt caccgc 216

<210> 45763
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 701040810H1

<400> 45763

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gcttacaagc tctacattc tctctccagg ttgggaatta gtgccattgg tgatcatcat 120
gttcttctt agaaggcaaa cccagaataa ccaggagaat gattcctcat atcaagatac 180
aaaggtggct gaactcaaga caggtcttgg g 211

<210> 45764
<211> 214
<212> DNA
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<223> Clone ID: 701040811H1

<400> 45764

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tccaaggaac ccagatccgt tgtttatgtg aattttggca gcatcacagt tatgtctgca 120

gaacaactct tggagtttgc ttgggggttg gccaacagca agaaaccctt tttgtggatc 180
 attaggcctg accttgtcat tgggtggctct gtga 214

<210> 45765
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040812H1

<400> 45765

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 aaaggctgcc actcaatcga cgccccctg tccggcgggcg accgcggcgc gaagaacgga 120
 accctagcaa tcttcgccgg cggggaagaa tcgacgggtga agcgtatgga agccttgttc 180
 tcccatttgg ggaaagtga ctacatggga gggag 215

<210> 45766
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040719H1

<400> 45766

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 tgatacacag tacccaaaaa cattcttcta taaagaagac cttcatccag gcaaaacaat 120
 gaaagtacaa ttcaccaagc gtccctatgc aaaaccttat ggtgtatata catggttaac 180
 ggatattaaa ga 192

<210> 45767
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040720H1

<400> 45767

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ggagaaagaa gcagttgggt tcatagaggc atggaaaatt cctgggggtg ctccttttgc 180
tctgtgtcta ttt 193

<210> 45768
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701040721H1

<400> 45768

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accttctcag atcttcacac cgaagagggc atcaaattccc tcgatcaatt cctttctggg 120
aaaaccta atctctgggg atcaattgac aaaggatgat atcaaagtgt atgcagctgt 180
tgtggaaaag ccag 194

<210> 45769
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701040722H1

<400> 45769

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ctaataatcc tctccctatc gttctttttc ccgtgtgtat cctcctctag aaaacaacaa 120
ttcaaagaag cccctcaatt ctacaactcc ccaaactgcc cctccatcga acaccacgac 180
atattaagct cct 193

<210> 45770
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701040723H1

<400> 45770

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ggcaaaataa tggccttggt atgaacttct acaaggaatc atgccctcag gctgaagaca 120

tcatcacaga acaagtcaag cttctctaca agcgccacaa gaacactgct ttctcctggc 180
tcaggaaca 189

<210> 45771
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701040727H1

<400> 45771

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gaaagaaaga agctgaaatc actcacatgg aggagaaagt tgcgaaacgg aaacaagcct 120
tggaagaaaga agcagagaag cttaaagaga aagagatagc gtatgaacaa aatgtcacag 180
ctttgaggg 189

<210> 45772
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701040728H1

<400> 45772

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cctctcttta acaaacgtcg tcgtttcagc tcgactcttt cccaacgtct cctcctggct 120
caacgcccac gccctactg gaggcgcgtg ggatgccttt ctcaacttta ccggttgtca 180
ccgcgcgcgac a 191

<210> 45773
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 701040729H1

<400> 45773

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cttctcctgg ttctcctggg tcttggtaat ttatttcctc accaatctct catcatatat 120

0953113.032200

gtgacattat ttacttgtgt ttttctttat atagttaa at ttgacttgg 169

<210> 45774
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040730H1

<400> 45774

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 gtattcatca tacaccacgc caaatcacaa tacccttcag tttttgggaa ttttggctca 120
 gttgagatct ctgtgaaacg ggtttggaaa atttttctga tcttgagggt tatgagattt 180
 taactgtgga a 191

<210> 45775
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040731H1

<400> 45775

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 aagtatgata aacgagatat agaaattaga aagcgtgagg aggattttgc tggttttata 120
 cgcgccgaat gtgtgagagc gaagggagag ctggatacag ctaaattggct atgggt 176

<210> 45776
 <211> 202
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040732H1

<400> 45776

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 catgattgag gattaggaga tgtcttctct tgccaccatt ggcgatgatt ccctcactgg 120
 tcacatcata tctacaacta ttggaggcaa aaatggggaa ccaaacagac tattagttac 180
 atggcagaac gggttgtagg aa 202

<210> 45777
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040733H1

<400> 45777

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 ggtccccact gtgcttccac caagcgggtg ctggtttgtc tggttgagaa ggaagtcgaa 120
 tttgaggttg tccctgttga tgtcactaag ggggagcaga aggatcctga gtacctcaaa 180
 ctacagccat ttggag 196

<210> 45778
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040734H1

<400> 45778

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 tactacacct ttgttccaac cacaatctca attatccttg ctggccgatt cagtgatgaa 120
 ccagatccta tagagaaatt caagaggata atgaggtcaa tccaaggtgc tcttattgtt 180
 gcttcgactc ttcaaa 196

<210> 45779
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040735H1

<400> 45779

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 cccaacttgg tatcaacttg gcagcatcca tgttgggcca cctcttgac catttctgtt 120
 ggaccccacc tgaaggaatg aagcctgagg aaattgacat gggagagaat ccagggctag 180
 tcacatacat ga 192

0053113.032200

<210> 45780
<211> 184
<212> DNA
<213> Glycine max

<223> Clone ID: 701040737H1

<400> 45780

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gaaaatgggt ggtgggtgca agtgtttggt atcgttggtg ttggctttgg tgttgatgag 120
gagtttggcg gaggcgcaat cgggcaccag caccattgc gccaggagc taatcccatg 180
tgtg 184

<210> 45781
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 701040739H1

<400> 45781

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cagaaagaca acatcaa 77

<210> 45782
<211> 188
<212> DNA
<213> Glycine max

<223> Clone ID: 701040740H1

<400> 45782

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attgggattg cggagatgga gcggaagtgg agcagtgaat ctggtgggaa tgtgatatcg 120
tcgccatcac actcgcgtaa tgggcattct cgctcctctt cgctcactat ccccgaggag 180
ggaatttc 188

<210> 45783
<211> 190

<212> DNA
 <213> Glycine max

<223> Clone ID: 701040741H1

<400> 45783

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 aaactgtgtt ccaaccactt cttaaagata accttggtggc caaagggcta gttctgtcat 120
 ttatgactga cttctttaag gagtatctga ttgacaacag tcttgatgat cttatttcaa 180
 ttctaaaacg 190

<210> 45784
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040743H1

<400> 45784

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 cggccccact ttcaccatcg acgtcgctc ctccccgcct ccgtacgacg ccgacctccc 120
 cgggtgtcgcc accgccgccg accgaccgta cggactcttc tccggccact cctccgacag 180
 cgagtcc 187

<210> 45785
 <211> 188
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040744H1

<400> 45785

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 ctttccctct caaccaacct tgaagggaac gctctgcatg ctttgagaag caggctttct 120
 gatcccaaca atatgttgca gagttgggac ccaacactgg ttaatccctg tacttggttt 180
 catgttac 188

<210> 45786
 <211> 184

<212> DNA
<213> Glycine max

<223> Clone ID: 701040746H1

<400> 45786

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caagtctctc tcaccgttgc catcctcctt cagagaagtt gagaaaatgg acggccatat 120
gggaatgagg aaaatcagct ctcaactgctc tatccctgat ttggatgatt ctgatatctt 180
acgt 184

<210> 45787
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701040748H1

<400> 45787

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gagtttgagg aggtgctgaa agcaatgaac atgccatcac tgatccctct agcaccgcga 120
atatttgact tgtttgacga caaccgagat ggaacagttg acatgagaga gatactatgt 180
ggtttttcca g 191

<210> 45788
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701040749H1

<400> 45788

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tggtatcgaa cgggtgttctc tctcttgcat tcatctgcat tgtagtcgcc ggcgtcggag 120
gccagtctcc cgccgcagcg ccctcgaaca ctccggcaac ccccgccgcc gccactcgcg 180
cccaagcacc ttc 193

<210> 45789
<211> 179

<212> DNA
<213> Glycine max

<223> Clone ID: 701040752H1

<400> 45789

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gatgccaagt tccgacatgc cttccaaaac tctaaaactc tctctctccg acaacaagtc 120
cttaccctct ttgcaactac ccttccgcac cacagatata tctcacgccg caccttctg 179

<210> 45790
<211> 192
<212> DNA
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<223> Clone ID: 701040718H1

<400> 45790

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aggatctcct tataggtgat gagctctctc tctgagtcct tccgttacat ggaaattgac 120
tctggaatgc tgtggtaagt tgaggggaag tgggctgtta aaggagcagt cgatgtagac 180
attggtgcaa ac 192

<210> 45791
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701040753H1

<400> 45791

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aatggggggca acagtttagga atggaggggtc atacgttgag agactgaagc tgaatgaagt 120
aagggaaaaa atggccaaaa atgtaatggg aaagatgtca gtggagcaat tgtctgatct 180
gctctcttt 189

<210> 45792
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<212> DNA
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<223> Clone ID: 701040754H1

<400> 45792

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agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccccgaca 120
cggtgaaggc ggctttggct gagttcatct caaccttcat cttcgtgttc gccggctcag 180

<210> 45793

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 701040755H1

<400> 45793

cctatcccct tcttctctct caaacagaat gggaagtgct ggaagaactg attatggtgc 60
atacacctat gagaatcttg agagagagcc ttactggcca tcagagaagc ttaagatttc 120
catcacgggt gctgggggtt ttatcgcatc acacatagct cggcgcctca agacagaggg 180

<210> 45794

<211> 187

<212> DNA

<213> Glycine max

<223> Clone ID: 701040757H1

<400> 45794

gcgggagaca gtagcaaata gaaccaagcc aacaatgggt accgacaagc caaaccgggt 60
cgggtcgttt atatacatca ctgatccgat tcgtgttttc ctctccggcg cgtcgaaaga 120
cgcgactctc tccgacgagc ttcgacgaac atcctccgat ctgctcctcc aatcggatgt 180
accctac 187

<210> 45795

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040759H1

<400> 45795

cttagttctt tccttatect ttctgtatcc agacatgtaa tctctccttt accaagtaaa 60
 tccatecttc ttccattcat ttctcatccc tttgttctac atttaatcac ctcatcttact 120
 aatttttctt tctttcttag acctttgctc gatctgattt tgaaagcttg actttggggtt 180
 tag 183

<210> 45796
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040760H1

<400> 45796

gaagtatgca gagcgtttgg agtccatttg agtacaattg ccttgccacag aaatgggaga 60
 ctataagact tgaggacctc acaattgata ggagtgcag taactgtggt taactgtttg 120
 tacagattga agaacctttc cgatgaaacc gtgactgcaa actgtccaag agatgctttg 180
 ctg 183

<210> 45797
 <211> 188
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040761H1

<400> 45797

caaagcagca cccatttggga tctctctctc tcttctttga tctccgttac cctttttgtt 60
 ttctcaacag agagagagag agagaatctt tcgaagtctg tttgcgtgtg ttgtgtggtc 120
 agtcaccgat ggcagcacca cctgcgaggg cacgtgccga ttacgattac ctcatcaagc 180
 ttcttctt 188

<210> 45798
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040762H1

<400> 45798

cttcagtgat ctttgattag tactaagcta aaccatttct tattccctca aaatcaaaac 60
 ctttttcttt ctagctattt cccctttcaa atcatgccac ctaacatcac caccgttggt 120
 gccaatgtca ccaccgagca attaccaag gctcgtggag gaagtgggcg tgccttcgtg 180
 acctt 185

<210> 45799
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040682H1

<400> 45799

cgaagtttcc ctcaggatag ctggagcccg cgggagagtt ctatcgggta aagccaatga 60
 ttagaggcat cgggggagca acgccctcga cctattctca aactttaaat aggtaggacg 120
 gtgcggctgc tctgttgagc cgcgccatgg aatcgagagc tccaagtggg ccatttttgg 180
 taagcagaac tggcgatgcg ggatgaaccg gaagctgggt tacggtgccc aactgcgcgc 240
 taacctagac cccacaaagg g 261

<210> 45800
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040683H1

<400> 45800

atttaagtga agtataccta tttgatttgc ctcattagat cggggttggt acgaattttc 60
 ttcgaaaccc ttctcttttc tcaattgggt ttccatcttt gattggattt cattgccatg 120
 gtcctaaagg atcccaagca agttgctgct gcttctggtg gtgggggtgg cttttttgct 180
 tctattgctt ccagtttgtc caattttggc agtgccatgt ccaaatacgt taatggtttg 240
 gtgggctacg aggggctgg 259

<210> 45801
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040684H1

<400> 45801

ctgaaacggg cgtttgcctt tgcgtttgcg tttgcgtttg cattgatgtt gctgttgctg 60
 ttgctgctgt tcctatctgt tgctctgaaa tctgaattca agaaataaaa aataaaataa 120
 aatagcataa catggcccag gattctgaga agagattcca ttccatcatg gacaagctct 180
 tccatcctcc caaacccctc tcagcctcca gttcatctgg agtgcagtta ccagggagta 240
 gtaagaaacg tccttaccag 260

<210> 45802

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701040685H1

<400> 45802

ccccttgttt ggggaccata atttcgccat ccatagagat ggcaaatcag ttcacctttc 60
 acttgatgaa agaacagggt ctggatttgt gtctcatgac ctttaccttc acgggtattt 120
 cagtgcctcg atcaagctgc ctgctgatta cactgctgga gttgtggttg cattttatat 180
 gtcaaagtgt gaaatgttcc agaacaacca tgatgagata gactttgagt ttttggggaa 240
 cattagaggc aaag 254

<210> 45803

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701040686H1

<400> 45803

ctttgatttt gcatcctttg gagtgagctc tgatactctt ggattagctg ttcactttca 60
 gacttccaaa ttgcaaagga tgatgaagaa gaatcagagc aagcaagtta actcgttgac 120
 cagcacacgt ttgtcaccat tggcgaaacc cttcacgctc aaccgttcta ccctccaacc 180
 ctgctcaagt tccccttttt cagggtaccc ttttcttgaa tcgccaaaag aatgtgactt 240
 tgatgggttt ggggagg 257

<210> 45804
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040687H1

<400> 45804

gtcaggttct tatgatgaag aaagaacttg aaaaggatcc agcacttgcc caggagaact 60
 gggataggtt ccttccaaaa ttcaagaaca aaaatgttaa gcaaaagaag gttaacacta 120
 aacagaagaa accatacact cctttccctc cacctcaaca gccagtaag attgatatac 180
 aattagaaac tggagaatac tttttaagta acaaaaggaa atcagcaaag atatggcaag 240
 agaagcaaga gaagcagg 258

<210> 45805
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040688H1

<400> 45805

ttcagatgca cgcccgccct tttttttttt ttttccaaaa tttccagcca taattttggg 60
 ctttctatcc 70

<210> 45806
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040689H1

<400> 45806

gcacactcca aagcttatct gttgctttgt gcttaatgga agggccttga gcttttcttt 60
 ctctctttct ttgctctctt ttcttttagg tttccactct ctctcacaca cacactctgc 120
 aataatctct cttctcttct tcagtctctc aactactgcc taaccaaacc ttccatttcc 180
 gtatgcagtt tcttaaattt ggagtctgat gtctccgcca ctgctgggta ctgaagaaga 240
 cgaaggacag ag 252

<210> 45807
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040690H1

<400> 45807

gtgaaacact agctagggta ttgggagctc tcgttgtttc ggagttaggg accttacgca 60
 gccatggcca ctgctacgaa tgccgcccgc gcccaccac gccagctctc ccagaaggaa 120
 gctgacatcc agatgatggt ggccgcccgc gtccacctcg gcaccaagaa ctgcgacttc 180
 cacatggaac gttacatctt caagcgccgc aacgacggga ttacaatat tcaccttggg 240
 aagacgtggg ag 252

<210> 45808
 <211> 146
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701040691H1

<400> 45808

gtttccgttc tagattgcaa ccttccttcg tactccgtgt ttacgtcgtt cgtgtgtgga 60
 aagtgggaaa agataacacc ccaatttcga agccccattg ctctttcctt ctcccctaac 120
 tccgaattgc ctgncatcac acacac 146

<210> 45809
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040692H1

<400> 45809

gagaactgaa gaagggtttg aatccaccat cactcacaaa tctggtatth gtgtcgcctt 60
 acatgactac agctgtcaaa actggcattg tcgttggcat catatcactt gcggaaggaa 120
 tagcagtagg aagaagcttt gcaatgtaca aaaattacaa tattgatggc aacaaagaga 180

002220"ETTFE560

tgatagctat tgggaccatg aacgtagttg gttctttcac ctcttgctac ctcacaacag 240
gaccattttc gcg 253

<210> 45810
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701040693H1

<400> 45810

ggagttcttg agagaaaacg gcgacaacga aaaccgttcc gtctcgcgga gtgacttccc 60
tcccaacttc atcttcggag ttgccacttc tgcataatcag atagaagggtg cttgtaagga 120
gggtggtaga ggtcctagca tatgggatgc ctttacacac acggaaggaa aaattcttga 180
caaaagcaat ggtgatgttg cagttaatca ttatcatcgg tacatggacg atattgatct 240
tatagccaag ttg 253

<210> 45811
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701040694H1

<400> 45811

caaagacaca gagtgcgttc gttgacgaca aacacacaca aacacacaac aaaagctcgc 60
cggaaaatct ttctccggcg acctggaatt ccgacgaagg tagttgcggc tcacttcgctc 120
ccgaaactgc aggcccttca aagtatcaaa ctcttggt 158

<210> 45812
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701040695H1

<400> 45812

aacacaataa actccttctt catttctcat ttctcattca acaccatggc aagaacaacc 60
aagtccattt tcttggcctt cttactacta tgctctttct cactgggggt agtggttagta 120

gccaagagg aggcaatagc aaaatccgaa agtgaagcat taggggaacc agagaaaaga 180
 gaaacacttg aaatcatcat tgggtggaggt ggttcacctg ctcttctctc ctctccccct 240
 acatattgcc ca 252

<210> 45813
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040696H1

<400> 45813

ccattttcaa gctctcaacg ccatctccag ctgcttcctt atcagaagcg ctcgccccca 60
 gagattctcg ctctctctcc ttcaatcctt cttccaacgc tattaattac aaaattaacc 120
 tctccgcttc cctccgatcc attcactccc tccctcttaa aacctccttg cggatcaaat 180
 gctcccaaac agatgggaat ggaagtctg caaagaggac agtgcttcat gatctttatg 240
 agaaagaagg gcagag 256

<210> 45814
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040701H1

<400> 45814

cgacacccca accaacctca ctctctcttt ctctctgttt tctggtaatt catcaattga 60
 ttcaaaatgc agaggctcaa actgcaacta gtgctattcc tctcaatctc aacttggtcac 120
 actgttttct ccttcaactga tgggttggtg ccaaattggga acttcgagca gggcccaaag 180
 ccatcacaat tgaaggggtc 200

<210> 45815
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040702H1

<400> 45815

ctcgagctca aaaatctcat gccataagtt tgggtactact aaccttttag ctgcttttgc 60
 ttacaagctc ctacatcctc tctccagggtt ggggaattagt gcctttgggtg atcatcatgt 120
 tcctttcttag aaggcaaacc cagaataacc aggagaatga ttcctcatat caagatacaa 180
 aggtgggtga actcaagaca ggtct 205

<210> 45816
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040703H1

<400> 45816

ctttctccac cgagagagaa atggaagcag catcatggcc gacaataatt ctactactga 60
 tcattatgat atgggcatgg aagatgctga actgggttatg gctgacgcca aagaggcttg 120
 aaaggcttct gagagaacaa ggccttcaag gcaactcata cacgcttttt gttggggact 180
 tgaaggagtt tggcaaga 198

<210> 45817
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040704H1

<400> 45817

tctcctcagt ttctccaaac ccaaactttc acgacaggga cctgtacaga tttagttaag 60
 gtttttgcac catcactgtg tgaagataat atagatatgg aaatctccca tgacatcaag 120
 atcaaggatg acaagctagg tgatgtaaag gaagagaaga ttaaggcaga agcggaactg 180
 aagcataaat cagttgaga 199

<210> 45818
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040705H1

<400> 45818

tttgtattag aatcgagaaa agcgttaatc tccgatggct tcgtcgaggg acaaggaacc 60
 cgcgccgcca catcatcacc cacctcttct gagcagcctc gtcgtccgcc cctcccacac 120
 cgaggccgtc gcagccggtg gtggtcgctg cgccgacttc gagcctggcg aactccaccg 180
 tgatccccct cctcct 196

<210> 45819
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040706H1

<400> 45819

tccatgcttt cttaattctc accccctca ctccttcaaa caacaccctt ttttatttct 60
 ttctcctctg tttctctctc tctgctgtgc attctggtgg catcacagag agagacacag 120
 ttgagtgagc caccaccttc tccaattcat ctactttctc tccaattctt caaaagggtt 180
 gtctccaatt cttca 195

<210> 45820
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040707H1

<400> 45820

caggtctgca aatgggttcag aacaaaatat taaaaggaat gaggaaaatg attatgatcc 60
 tgtgcttagt gagcttaaag ctatgacttc taatgggaat gatgcagaca ggcttgcaat 120
 acggattcca gaagctaagg gttctgggcc ttctggcagt aatgggtcaaa tggatgctac 180
 atcagggggg gtt 193

<210> 45821
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040709H1

<400> 45821

gaaaaaccct aattacaaga agttgcaaaa ctaagtggaa taagagctga aaaaccctaa 60
 taacaatggg aggaaaatgt ccgcacagga acgtgaagaa gagaagatat tctcacaaga 120
 ccgcgcggcg aaccaaattt gagctgaaag gggacgacat ggtttatgcg cactcaacaa 180
 acccgatcaa gaga 194

<210> 45822
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040711H1

<400> 45822

ggacgtgaca atggcagcat gtggttctgg gattggaaga gtggtcataa tttccagcaa 60
 tcccaaacaa ttgtacagcc tggttccctg gatagtgaag ctggtattta tgcttgacc 120
 tatgatctta ctggctcgag gcttataacc tgcgaggctg acaagacgat aaaaatgtgg 180
 aaagaagacg a 191

<210> 45823
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040712H1

<400> 45823

cctcgagctc tctcaagctc tgagcgattt ctccgcctgt agtagcgata tctcccgcga 60
 gctccagagg ctgcgcccg tttcctctc ccaacctcct cctgctgctc ctcacgtcga 120
 cggccaaccc caacctgagc acgagccctg cctagggttt ctccagaggg agagcttctc 180
 caccgagatc a 191

<210> 45824
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040714H1

<400> 45824

gcgaagaccc ctttttctgg ttattaacag agtcataaaa aaccaaagtt ttctattctc 60
 tgtagctcac atgatgggct aagaatatct gactttgggg tggaaagtat ggttggcaag 120
 gagagtttga gaactgaggt cttgaacttg agctttgaga agcttatgat ggttgaatgt 180
 ggtggaaata gtg 193

<210> 45825
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040680H1
 <400> 45825

ggaggtggaa ctgggtctgg aatgggtacc ttgcttatct caaagatcag agaagagtat 60
 ccggatagga tgatgttgac tttctcagtg ttcccgtccc cgaaggtctc tgacactgtg 120
 gttgaaccct acaatgccac tctctctgtt catcaactag ttgagaatgc ggatgaatgc 180
 atggctctcg ataatgaggc actctacgat atctgtttcc gaacactcaa gctcacaaat 240
 ccaagttttg gtgac 256

<210> 45826
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040715H1
 <400> 45826

gaagaatgac taggtgtgac cataagaaga attttgaaa cgaaacctcg taaaggcttc 60
 tcactaacia acaatggcgg ctgaggctga gcttccggag tacttaaagt gtccgatttc 120
 cctggaaatt atgtccgacc ccgtcatcct ctcttccggc cacaccttcg accgctctc 180
 catccagcgc tgg 193

<210> 45827
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040716H1

00220-ET-26

<400> 45827

gtgctgttag gatgcagtgt gctttgatga tgctttgatg aatatgcagt gtgctttttt 60
aagtctatta ttttctttta ttc 83

<210> 45828

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040717H1

<400> 45828

aattagccaa acacaccaca gcaccaaact agttgggtca attctctttg aatggctttg 60
gaggctttga atttaccac agcagccacc actcccttcc gtggttacca agaagaggag 120
gaggaggttg accttcacct acgcgagcct tgggccccaga gaaaacgctc caaacgacct 180
cgttttgagt cggagga 197

<210> 45829

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040650H1

<400> 45829

ttcacttttg aaaaacatgg tcgcatagat gttttgttca gcaacgcggg aataataggt 60
tccttatctg ggatccttga ccttgatctg aatgagtttg acaacacaat tgccacaaat 120
gttcgcggtg tagccgccac gattaagcac acggcacgtg ccatggttgc taaaagcacc 180
cgtggatcca tcatatgcac cacaagtgtg gctgctatga ttggtggaac tggacctcat 240
ggctatacca catcaaaaca tgctcttc 268

<210> 45830

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040652H1

<400> 45830

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 agactgggtg ctacagcctgg tgataaacta tattgtcgtc tcacagtcaa cactcaacta 120
 catgctcgag tcttccacct cctcaaagtt ggaagaaaca acttcaggcc ccttcccaag 180
 gtggattcct ctgtggtgcg aattgagccc aggaaacccc gtattgaagt taagcaaaaag 240
 gagtgggatg gggttttgcg gattt 265

<210> 45831
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040654H1

<400> 45831

aaatattgta cacataaatc tagctccaat tcctaatac ctgggttaatt tcttcacata 60
 gagctatcaa gatccaacgt taacatgaag aatgttttag taaggtcagc tgcgcgagct 120
 ctgcttggcg gcggtgggcg gagtactacc gccagctctc aacggcggcg atcgtggaac 180
 agagacacca gcacggtggc ggcgcgtttg gaagcttoca cttgcggagg atgtccactc 240
 ttccagaggt aaaggatca 259

<210> 45832
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040655H1

<400> 45832

agaagagaag cgtggtgctt cagaagggca agccaataaa taccttgatg atgtatctaa 60
 tctgacatca gaacttgagg caattcaagc acgagcctca accctcgaaa ctactctgca 120
 agcggctaata gaaagaggaa aggaattaga agattctttg aatgcagtga cagaagacaa 180
 gaaaaattta gaagatgctt ctatcagttt gaatgagaag cttgctgaga acgaaaaccc 240
 attggaaatt ttgagggat 259

<210> 45833
 <211> 263
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040656H1

<400> 45833

aaaagagaaa gaaggaaggc gaagccacaa agaaagacaa caatagtttc agaagcagaa 60
 agaggttttc cgttccgaaa cgatgtcctc catggccatc accaccagag acagagatcg 120
 agagcttctc atccccgtcg ccgacacccc cgccggcgat gccgccgtct ccccttcccc 180
 caagccatcg tcgtcggcgt cgtccccgca tcattccgga cgcgagactt ttacaaaagt 240
 tgtagaagc tgggcatcaa aaa 263

<210> 45834

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040658H1

<400> 45834

aaattcctga atattggatc ggaggccaaa ttaagaaaga ccactgaaat tttaaagtga 60
 tttgttttca agctaataca cactagaatt cttcaaatgc agatttcaaa gggagattct 120
 ggtagcaaac gaggagatat tctgtcaagg tttctgcaag tgaaggaata tgatccaaca 180
 tacttacgag atataattct aaactttggt attgcgggga aagacacgac ggctgccaca 240
 ctttcttggt tcatgtac 258

<210> 45835

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040659H1

<400> 45835

cttcaacaag gaatctctgg tggaagcggt gttagggaag aagcttccca aggaatttgg 60
 gcacatcaag ggtttgaaag atatgattca tgttcagctt tctgcgattc ctggagcgga 120
 ggatggggca aagtttcagt gccccattgc agggcttgaa tttaacggaa agtatagggt 180
 tttcgcgctg aggaattgtg ggcattgttt gagtgccaag gctctgaggg aggttaagtc 240

ctcttcgtgt ttggtttg

258

<210> 45836

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040660H1

<400> 45836

gaacaacgga agttgaatcc tccatttttcg acccgcgca cgatggaacc tctgaccact 60

ggatccaacg gaactcttcc cttgtccgtt taacgggaaa gcacccgttt aactcggagc 120

caccctccc tcgctcatg caccacggct tcatcaccgc ggtccccctc cactacgtcc 180

gcaaccacgg gccagtcccc cgggcccgtt gggaggactg gaccgtggaa gtcacgggcc 240

tggtcaccag gcacacat 258

<210> 45837

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701040661H1

<400> 45837

cgagaacaaa aaaaaaaaaa aaatccggga ttcgctcttc tcttgaaaa gtgaaaccca 60

gaagtacgac cgaaagagaa gagcggttta aaagtgagaa aagatggggt tgctgttcac 120

gaagctgttc agcaggtttt ttgcacagaa ggaaatgagg attctgatgg taggccccaa 180

tgacgctggt aagacaacca tcttgtaaaa gctcaagctt ggagaaatcg tcaccattat 240

ccccaccatg ggtttt 256

<210> 45838

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040662H1

<400> 45838

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ttgccagatt taattcgatt ttggaaacaa cttatcgatc cccaatccg ctgtgaacag 120
 atcgagggcg tggcctgttt gatttgaact gaatttcgga ttgaaggatc tcattttctt 180
 ggagcattaa agcagaaatt tctagcgcta tggggtttcc agcagcagcg gtggccgaat 240
 gaccaaacac ctttcttaac 260

<210> 45839
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040663H1

<400> 45839

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 tcacggttga gtatgcaatc gaacccatca agctgggatc aactgcgatt gggttgaaga 120
 ccaaagaagg agttgtcctt gcagttgaaa agcgcatcac atcgccgctc ctggagccta 180
 gtagtggtga gaaaattatg gaaattgatg agcacatcgg ttgtgcaatg agtgggttga 240
 ttgcagatgc tcgaaca 257

<210> 45840
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040664H1

<400> 45840

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 cattggtggc tggatgatga accaaaactc aggcaattgc tatttgccac acaaatactt 180
 ctggaatgaa tcatcaaagc cttcatcaac ttatgggagt tgatcctgga actaaccctg 240
 ttgcccattt ccttggaag 259

<210> 45841
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040665H1

<400> 45841

tctctctctc tctctctttt ctctgtgtgt gtgcgtggat tggatgaattt gagattgaag 60
 aagatgatgc aggctggacc cggcggcatg gcccaacaag cgaaccagca atacgcacag 120
 caacagcaac aacaacaaca acaagcctac atgatgatgc cgccgcagcc tcagccccct 180
 cagatgtggg ccccatcggc ccagcctccg tcccaatcgg tagctcctcc gcaacccacc 240
 agcgccgatg aggtccgtac cctctggat 269

<210> 45842

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701040666H1

<400> 45842

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 tccttatctg ggatccttga ccttgatctg aatgagtttg acaacacaat tgccacaaat 120
 gttcgcggtg tagccgccac gattaagcac acggcacgtg ccatggttgc taaaagcacc 180
 cgtggatcca tcatatgcac cacaagtgtg gctgctatga ttggtggaac tggacctcat 240
 ggctatacca catcaaaaca tgctct 266

<210> 45843

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040668H1

<400> 45843

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 agactggttg ctgagcctgg tgataaacta tattgtcgtc tcacagtcaa cactcaacta 120
 catgctcgag tcttccacct cctcaaagtt ggaagaaaca acttcaggcc ccctcccaag 180
 gtggattcct ctgtggtgcg aattgagccc aggaaacccc gtattgaagt taagcaaaaag 240
 gagtgggatg ggtttttgcg gat 263

<210> 45844
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040669H1

<400> 45844

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 cgactcaacc atgctattct tacataacta gggtaggag ttagggcggt cttatcggtt 120
 tcgctccgtt aattacaaca acggccaaca tgggtgttct ttcgctttca cctcccagcc 180
 tctctaccgc tttcctcgca aagaaactgt ctccccaaga acacgcggtg aagctagcga 240
 cctttcgcaa caattcattt 260

<210> 45845
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040670H1

<400> 45845

aaatattgta cacataaatc tagctccaat tcctaatac ctggttaatt tttcacata 60
 gagctatcaa gatccaacgt taacatgaag aatgttttag taaggtcagc tgcgcgagct 120
 ctgcttggcg gcggtggcg gagtactacc gccagctctc aacggcggtg atcgtggaac 180
 agagacacca gcacggtggc ggcgcgtttg gaagcttcca cttgcggagg atgtccactc 240
 ttccagaggt aaaggatca 259

<210> 45846
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040671H1

<400> 45846

agaagagaag cgtggtgctt cagaagggca agccaataaa taccttgatg atgtatctaa 60
 tctgacatca gaacttgaga caattcaagc acgagcctca accctcgaaa ctactctgca 120

0022E0"ETTES0

agcgggctaata gaaagaggaa aggaattaga agattctttg aatgcagtga cagaagaaaa 180
gaaaaatttta gaagatgctt ctatcagttt gaatgagaag cttgctgaga aagacaacta 240
ttggaaattt tgaggg 256

<210> 45847
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701040673H1

<400> 45847

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cttctctctt gctcttgca gagagagcca tgtccatgca tcgctacctg aggaagatta 120
ttgggaagct gtttgccaa acactcccat tccactgca ctgcgagagc ttctaaagcc 180
tctccctgca ggtgttgaaa tcgatgacct cctaagcaa attgatgata cacagtacct 240
agaaacattc ttcta 255

<210> 45848
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701040674H1

<400> 45848

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caaagccatt acccaatgcc atgggttctag taaaccttaa ggaaatatct accggagctt 120
ataagctttt gccacaagga acacgcttgg ttgtgtctgt ccgaggtgat gaggcttatg 180
aagaactgga cattcttaag ggtgttgatg ctactatgct tctcccatga cttcccttat 240
acagaaga 248

<210> 45849
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701040675H1

<400> 45849

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 atgggttagaa gatctgctgc ttcaaattctt gggaagtatg ctgctactgt tgaatatgcc 120
 catttgaagg cagacactat gtcaattttt gaggatctta ctaaggatga tcaagactct 180
 gttagattgt tggctgtgga ggggtgtgct gctcttgga aactgctgga gccacaagat 240
 tgcatacacac ata 253

<210> 45850

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701040676H1

<400> 45850

caactactaa cacatacact actctctctc tctctcttat tgtatggcgg ccaattccag 60
 tagccgaggg atcaccgcct tagggaagcg agtcgccaac cggatctgga cttccaacgc 120
 acctctctc acttcaagga ggggagcata cagtagcggc tcagtgtacg acaagaacct 180
 tgatgatgag atccagtctg ggcaggtccc agacgatgtg atccaggcgg caacacaatc 240
 cggcaaatac tgggcc 256

<210> 45851

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701040677H1

<400> 45851

gcctaggcaa caatgtgagg tctatgcctt ctgtggtgga tttgggagct gcactgagaa 60
 tgccatgcca tattgtaatt gtatgaatgg ttatgagcca aagtcacaat ctgattggaa 120
 tcttacggat tactcaggag ggtgtgtgaa gaagaccaag tttcaatgtg agaatccaaa 180
 ttctctgac aaggaaaagg acaggttcct tccaattctc aacatgaagt tgcccaatca 240
 ttgcaatcc atag 254

<210> 45852

002350"ETTES60

<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701040678H1

<400> 45852

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tgaagacatc atttggaccg ctgataagaa ggtaagaact gtttcaaggg ggcaagtga 120
gttgctcaag gatacggtag ttaaataatta tgccaaatgg aatgcaaggc cgctgcagcc 180
cctaaatcaa cgagcgatag aactttacgt cccaaagaca aagaatatac ccgtgtatta 240
gtttttcttg 250

<210> 45853
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701040649H1

<400> 45853

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aagatgatgc aggctggacc cggcggcatg gcccaacaag cgaaccagca atacgcacag 120
caacagcaac aacaacaaca acaagcctac atgatgatgc cgccgcagcc tcagccccct 180
cagatgtggg ccccatcggc ccagcctccg tcccaatcgg tagctcctcc gcaaccacc 240
agcgccgatg aggtccgtac cctctggatc g 271

<210> 45854
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040623H1

<400> 45854

gttgagttga catcggcgag caataacaag aagaatgatg atgctaattc gatcaaaatg 60
caaacttgtg aaaatgtgtg gtgtttgcgt ttgtgggtct ctcgaaatgt gcatgtactc 120
gacggaaaagc gtgggtggcga gtctcgaaaa tcgcgtgttt aagggtgggg atccagtgat 180

tccagtgagt cctattctga agcagtgggt ggaagaaggc agagaagtca ccaaacttca 240
gctcgaaaat ctcgtttacc gcctc 265

<210> 45855
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040624H1

<400> 45855

gaaaaaagtg gaattgcttg catctcgcaa aggccacaca caccgcaaat acaataaacac 60
tccatcttcc aaaacaaaga cttcgcgtcc aagcaatttc tgagtgataa caaaacaaaa 120
caaatattat caaaaggggc aaactttgaa accaaaatca gattttatctt tttatttttt 180
tggtgaatct gaatagatca gaaggtgatg tcgtgttcgt cgatcatctgg gtcggaggaa 240
gacgatgagg gattcgactc ttaccgga 268

<210> 45856
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040625H1

<400> 45856

gtgacccta aactcatggc attggacatt tcctttaaca acttttctgg cagcattcca 60
ccagcttttc agaaacttag aagactcact tggttgatc tccaaaacaa ttctatatct 120
ggagctattc ctgacttcaa ccttccaagt ctcaagcatt tgaacttgag caataataac 180
ttgaatggct caattccaaa ttccataaag acatttcctt acatttcttt tgtaggaaat 240
tctctcttat gtggtccacc tctca 265

<210> 45857
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701040626H1

<400> 45857

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 ggaacagact ggttgtgttg agaacccttat tcatgccgga gcgaatatat tgatgtttga 120
 ttctatacgt cgaagaactt gcttgcaacta cgctgcttat tatgggcata tagactgcct 180
 taaggccatt ctttctgctg ctcatccac acctgttgct gatacttggg gatttgcaag 240
 atttgtcaac ataagagcat ggaaacggt 269

<210> 45858
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040627H1

<400> 45858
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 gacctctcaa cacatggctg cttcaatccc atttacaggt atcaactcct caagggtgct 120
 tcccattcct agagaaccac accacccatt ttcccatttg ctctcaaaca tgtcaaagtt 180
 tgcattcttg agaaccctt cttcttcttc tgcttcttct tcttcttcat ctgtgtcttg 240
 ctctctcacc aaagaccctt actctg 266

<210> 45859
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040628H1

<400> 45859
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 aatcccaact tcaagtaccc atttttagtc atttcatgat ctaggtgata gatcgtgaaa 120
 atgacaagga tgacccatga ttttggggat actatgcaga aagatgcagt gccggtggtg 180
 tcggccgatg taatatattgc ttctcttcgg tttcctaatt acaaaatcgg agttaataat 240
 cagatcatgg agacaaa 257

<210> 45860
 <211> 258
 <212> DNA

002220"EFFE560

<213> Glycine max

<223> Clone ID: 701040629H1

<400> 45860

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caattccaaa gcagtttata ggtgatctca taagcaagcc actttcactt gatcttgaaa 120
cttgagagag gaccaaacad atagaatttc ttcaatggat cttattctga tgggtggattg 180
ttgcacttat ttggctaatt agcttgaaaa cttagcacag ctaaatacatg aaacaacact 240
ttgatcttga agtgggtgg 258

<210> 45861

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040630H1

<400> 45861

cggctcgaga acggctactg cggcgtcgaa ctcaacgacc tctaccgtca tgtgcacctc 60
tacctcaacg ccgcgaacca cgcgccgcc gccgcgtgcc gccgattaac tctctcctgc 120
tcgccgtcgt cgaaccgtat ctccctcgcc gttgcgccga accacaccgt ccacgacgcc 180
ttccgcggcc accgcgtcgg gtggacgcac cacgtggaga ctgcgcagga ctgcgtcgag 240
gagaggcgca gcttcacgct ccgt 264

<210> 45862

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040631H1

<400> 45862

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aagctgcaaa gagcattggt gcaaattggac ttgctaggag ggcaattgtg caagtatcct 120
atgccattgg tgtgcctgag cccttgtctg tgtttgttga cacttatggc actgggaaga 180
tccctgacaa ggaaatcctc agcattgtga aggagagttt tgacttcagg cctggcatga 240

tctccatcaa gcttgatctc aa \

262

<210> 45863
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040632H1

<400> 45863

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ttagatccct tctccctctt gagttcatca agggaaagcg ttcaatatct gaccacatga 120

acgaggcagt gaattacata aagcacatgc agaaacatat caaagagctt ggtgcccaaga 180

gagatgaact gaagaaactc tccaatcatt ccaataatat ggaaaataac catgaggggt 240

tgcatacatc ttgcaacttc actgtc 266

<210> 45864
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040634H1

<400> 45864

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gtgcgcccct tccctccgcg cgccgtcct cggagcctta ttgcagcaaa tagggagagg 180

aaatgggcct tagaggaaat aggaacaaat atgaaacaca actgggtcaa agaaatttca 240

aaagcaatga tactcagaat cacatacagg aac 273

<210> 45865
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040635H1

<400> 45865

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 tatggtgctc gacgcagcat gttagacact caattgctgg ggaagttcat ccgcaacaat 180
 gaatatcatg aagctaaaag gggctcagca aaatatcttg ctttgcacct gaggtttgaa 240
 atagatatgg tggcctattc cttatgtga 269

<210> 45866
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040636H1

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 tgtactgcag aggtgctgcc ttttacacca ccagattttg cagatttttag tttttaaggt 120
 tatgcttttt gggttctgcg actaatgttg acgatgatca tcaactgcgct catcactgcc 180
 atacttgccg gactttgcat tggcccaatc aacggcaggc ggcggaggaa gagggccgtg 240
 gcgttcttcc atccgtacac caacga 266

<210> 45867
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040637H1

<400> 45867
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 gcacatcaca agaaaattcg caagcgatgg atccgaagct aaaagaggtt tctcagctct 120
 tcgatcgctt taagtgtctc tttatcagga acgactttga tacctgttcc aatctccttt 180
 ctcagctaaa ggtgttactt acaggtttca gaagccttcc accgttggtt gcagatacac 240
 ctaatgcagt tcatgaatta acaat 265

<210> 45868
 <211> 76
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040639H1

<400> 45868

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ctatcttgca cacaac 76

<210> 45869

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040640H1

<400> 45869

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tctcccctcg accgccacgt ggtggaaaac cacggagaag tacaaggtgg gaggaggatc 180

ccctgcgctc gtcgtaggga tgcagttcct acacccggct tacacgctag ggaaaaatct 240

caaaggaaga gatctcctcg cactc 265

<210> 45870

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040641H1

<400> 45870

attacaatta ctactttctc tctctttgta acttgtaagc atggagtcct caaagatcta 60

tgcttacctc ttcctttgca tgcctcttct ctctccgcc actcccatc tcggttggtg 120

ctactgtggc aaacccccca aaaagcaca gcttggtaaa acaccaaaga caccacagc 180

accggttggt aagccaccag tcacaatccc tccattggt aatccaccag tcacaatcct 240

cccattgtta atccacagtg 260

<210> 45871

<211> 262

<212> DNA

<213> Glycine max

<210> 45874
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040645H1

<400> 45874

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 aaggtgggggt cttactgggt ctccaagaag gccagcaagg actttaactc tgtcggcgat 120
 gatatcaacg taaacaacac aatccttaac accctttttt tatctatttc tttttttttt 180
 ggtcgattca tttttatttt tattttactt ttatttggtg aagttccctt tttttttttg 240
 gcctttccgg tt 252

<210> 45875
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040646H1

<400> 45875

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 gaattagaaa tgttgaaatt cttctcatga ttgagatggg aaaatgcgca tatctgttga 120
 tgttttattt agaaataata attgttcac c aatgtttgag atctaagggtg gccggcatac 180
 ttctttttta aaatagaatg agtcagtttg gaagtgttta tggagtaaga attggtggac 240
 ttcttctggt gtttgggg 258

<210> 45876
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040647H1

<400> 45876

ctcttggttt ctctgactaa actgaaaaaa ctttgtact tattctctct cagtttcaca 60
 taaactgaca ccataattct ttacttcaac tgaaaaaatt aagaatttat ttctccaaa 120

gtccaaacac tgtcacagaa actgacttgt taaccattgt tagttacatt ctgtttcttg 180
 ccactttata agtcatcatc accctccact ggttttcatt aacaaacctt cttcaaagtc 240
 ccaccacttg gttttcataa c 261

<210> 45877
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040648H1

<400> 45877

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 gtggctcttc cgatccacca agtetaagtt cctctcttcc tcttctcttt cttctctttc 120
 tagaaccttc cctctcttcc ctgcacctca gattggagcc atctctcccc tccccgatct 180
 cttccaccgc aacaccgcca acatgccttt cgccaaggaa aacgcttccg gtggaaactt 240
 gaccggtctt cccaaagttc ccg 263

<210> 45878
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040622H1

<400> 45878

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 tcggcgccgg cggaggctcc ttcttcaact gcctctcttc cgtcagagac tactccctca 120
 cctaactcca ctgccctctc tctccgcct cctccacca tcaatgccac cgtttctcct 180
 ccgccgccgg agggccatca cctccgacc agtaccgtta acagcgggtt gtcgacgggt 240
 acagtgagcg gaatagttat agggg 265

<210> 45879
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040591H1

<400> 45879

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 gtcaccatcg ccgcgatggc ggtggccgcg tccgacgccg acgacatcct gatccgtcac 120
 gtgggtgccag atgttggcga accagagagg aggacaacct gctgaacgcc gagcaccact 180
 tcgcgagctt caaggccaag ttcgccatca cctacgccac caaggaggag cagcatcatc 240
 gcttcggcgt cttc 254

<210> 45880

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040592H1

<400> 45880

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 ggctcagacc atgaccatga ccatggccac acctaccaa tttccctct gagaatgaaa 120
 actggccatg gtggccacta cattccggag gtatcatgcc aaagttggag gcttgggtgtg 180
 gaagcacaca acgtcattga ctggaaaacc gttcctcaag attgcgaggg atatattggg 240
 aactacatgc ttggcgaaca atata 265

<210> 45881

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040593H1

<400> 45881

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 caacccaac tccaaggggc tgtgcctgtc gccgtcgtct tccacgtca tgtcgaaca 120
 cgacatccac gcgcgcgcgt tcctgtcca gcgccgccg ctcatgcagt cggcctcgcc 180
 actcttcaag cagcgatcgt agtcgccgga cgccttcgc gatgaggcgt ggctccggcg 240
 caaggggaac tgcaacaa 258

<210> 45882
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040594H1

<400> 45882

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 cacttagcta tattatagcc atcatccaac tcaatttttg aacaaagaaa aaaagggtgaa 120
 ggatgaggat agatgatttt agcacatcaa atgggtgagt gtgtgacccc acgggaagaa 180
 aagaaaaaaa gagggggaga aaaaatttca aagaggttat ggaatttgga agatgatgag 240
 gaatgacggg ggtaaggaat gagg 264

<210> 45883
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040595H1

<400> 45883

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 tcttcccaa accctcgccg caaaggccaa atactccac acccaaattc ctcaacttca 180
 acacaccaca caataataac ggaatccctt cttccgcttt gatccactc ctatgcccaa 240
 aacggttagc gctaacaaca gag 263

<210> 45884
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040602H1

<400> 45884

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 ggaaggagag tgggagaagg agagataaga agaaggagg aagaatacct acccagcaag 180

caggattaga gaaaaaaaaa aaagattaac aaactgttga tttgatttat tttgatctgc 240

ttctgctggg tggttggcaa tgtctgcacc tatgat 276

<210> 45885

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701040603H1

<400> 45885

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tcgttgaaac gaaggtctgt ttgttgcagg catcacatct gatctcacac gattcggatt 180

cggaattttc tcgatccctt tctgatctgt gatctctgat ctgtttgcgt tacttgatct 240

tatgatactt gtgttactat atgattctct tat 273

<210> 45886

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040604H1

<400> 45886

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gcgttgcttc tgtcatgac tggaaatacc tctacgagag catgagtaat ttttgcttaa 120

ctaataagtt gtataatatt gtgaagtaag cttgtttctt gctctcaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaagaa aaaaaaaaaa agaagagaca aaagaaaaaa 240

aagataatga gtaatggggg ggggg 265

<210> 45887

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 701040605H1

<400> 45887

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tattaaaacc ttgatattgc ggttttatac agttttactt caattaattc ctaatactag 120
tttaagttga aataaagtta tggatgatt ctgtcctccg tgaagagaag gacatggatg 180
tacaataaag aagtttgtaa taaagttttg attggtttgg ctt 223

<210> 45888
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701040609H1

<400> 45888
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tttcagttta ttcttatcta ggtagactcc ttataagtgc gcagaagttc aagtgtagag 180
aatgagtcag cctaagatta aacgccgagt tggtaaatac gaggtgggga ggaccttggg 240
gaaggtacat ttgcaaaggt gaaatt 266

<210> 45889
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701040610H1

<400> 45889
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ccaagacaga aaaaactgga tgtcccatct cgacactcag aaactccgca tcaaccaaatt 180
cgtctggccc ggcattccacg actccgcaac caacaaaatt ggcattccctc tcattactcg 240
ccccttcgcc cagtgccaat cctctctcca 269

<210> 45890
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<212> DNA
<213> Glycine max

0953113.032200

<223> Clone ID: 701040611H1

<400> 45890

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gcaagaagaa ggggtgcgaca ttcaccattg attgcgcgaa ccggtggagg acaagatcat 180
ggacattgcg tctctcgaga agttccttca agagaggatt aaggttggtg gcaaggccgg 240
tgctctcggc gactccatca ccgtcgta 268

<210> 45891

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040612H1

<400> 45891

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aattatcata caggatgtta tgtttgatgg ccatttggtg ctgcaaacac ctcagcaaac 180
acctcacgaa tatcatgtag agagagggca gaagtttgtc aacattgaca cttcttttac 240
acataatata tcggtgatgg aa 262

<210> 45892

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040613H1

<400> 45892

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gctaaggaag aaagtcttga aaagtcaaag gaagttgagg ctctgacatc tgaacttgag 180
agggttaagg aagagaaagc acaggctctg aacgatgaaa agcttgctgc ttctagtgtg 240
caggccttat tagaagagaa aaac 264

<210> 45893
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701040614H1

<400> 45893

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agagcatttc tcatcagatt gttgacaggg aagcacaagg acatcggttc ctctcaagag 120
aatacgttca accacagtgg gtatatgact gtgtgaatgc acgaattatt ttgccaaactg 180
acaattattt ggtgggaagg actcctccac cacatttgtc accttttatt aactacgatg 240
aagaaggagc atacattcct gat 263

<210> 45894
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701040615H1

<400> 45894

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cgtagccttt tcaatctttc atgctccttc tcggtgagtc actttgcata tgttacggtt 120
tttgggtctt ttcaattctc cttcacgccg cgctttctgg gcttctgggg ctatttcagg 180
tttgggtgta taatcattaa agagattcaa ggcaaccaat tgatttggtg gagaactatg 240
actgaagaga aatctggagg atg 263

<210> 45895
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040616H1

<400> 45895

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aaagcttttg cagtcagcaa gagaaccaga aaaaatccca caccatggat ttgctcctag 120

aactgaaaac cgcactggaa cggttccgcg aaacactatt gttcacaatc ccattgactc 180
 tattgctgct gggcatagtg tcccgaatcc gcagaaaaac ggcgccgtat ccaccgggcc 240
 caaaaggcct cccctaata ggcaa 265

<210> 45896
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040617H1

<400> 45896

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 cagtgaaggc gagcaaagag gatgaattga agaagtcgtc gcggccgaag aagcttctca 180
 gcaacataag cagcaaagcg cttttcggtc acaagaagaa taataagaag cagctgcgaa 240
 cgatggaaga gacacaacaa gcacaagggt ggggaaa 277

<210> 45897
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040618H1

<400> 45897

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 ggttacttcg gatgatttga agagtgtcaa acttgagata gagataatgg ctaggctatc 180
 cgggcacccc aatgttgtgg atctcaaggc ggtttatgaa gaggaagggt ttgttcacct 240
 ggtgatggag ctttgtgctg gaggggagc 269

<210> 45898
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040619H1

<400> 45898
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 gttgtggtgt tcattctagt tcaagccttg gtttacctta tcctctccaa ttcaccaaac 180
 gtgttcaaca agaacatgaa gaaatctaac agcttcaggc cggcacgttc ggtgagcatt 240
 cgccggatgc tcgctttgat ctctgatttt cc 272

<210> 45899
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040620H1
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 cttctcttct cttctacctc tcaagttttt gaagtataaa gatggcagag acattcctat 120
 tcacctcgga gtcagtgaac gagggacacc ctgataagct ctgcgaccaa atctccgatg 180
 ctgtcctcga cgcttgcttc gaacaggacc cagacagcaa ggttgctctgc gaaacatgca 240
 ccaagaccaa cttggtcatg gtcttcggag agatcaccac caag 284

<210> 45900
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040621H1
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 tgttttttca tctcactttt cttctaatta aggaacaagc tttccgcagt tgaaaaccct 120
 agctagctag cttccaccaa tttgaatcac caatggctcg ctcttttctt aacgtcaagg 180
 ttctctctgc tcttgtggcc gacggattct ccaacactct caccaggtac cacaatcggt 240
 tctcatctca atttttatc 259

<210> 45901
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040590H1

<400> 45901

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 ttccaaatac cccaatgccc aaagcaatca tagactttct aaaccttgat caacttcctc 180
 tttggatatg tgctaaggaa acccaatcta cagatcaaat attcctgtat gatgctaaga 240
 aaacccaatc aacagatcaa gttcctc 267

<210> 45902
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040563H1

<400> 45902

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 tcatctctga aactagttct agtactttat ctacagatct ctatattcta ggtgaacggt 180
 tgcttttgat ccggcttggg agttttgata gacttgattt tgaatcttta agagccatat 240
 gctcacagtg gtcggatata gtacatcag 269

<210> 45903
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040564H1

<400> 45903

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 acggcaaata caacaggtcc atcaccaagt tcagcaccct caactccgtc gactcatacg 180

cctggagatg tgatatcaat gcctgcaactg ccgcatagtg gtagttcttc aaagcctcta 240
atgatgttta gcacagatgg tactggaa 268

<210> 45904
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040565H1

<400> 45904

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acgctggtca aggccgaggt tccgtggtct gctagaaggg gaagtctatc tgaaaaggat 120
cgcgtcataa aaactgtgaa aggaataactg aataagttga ctcttgaaaa atttgatatc 180
ctgaagggtc agttaatcga ttctggcatt acatcagctg acatcttaaa ggatgtcatt 240
tcacttattt ttgataaggc tgttctagaa 270

<210> 45905
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040566H1

<400> 45905

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tcaatctgca ccatttcagt atcctgtctt ccccttcaat tccagctttc ctcttccatc 180
agcatcattt tctggtggat caactcctta tgtagataca acttcaggag ggaggctttg 240
cttccttgta gtaaattcac agcttatagg 270

<210> 45906
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040567H1

<400> 45906

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 cttcttcgaa gagcgtttcg atgacgggtg ggaaaatcga tgggttaaata cagattggaa 180
 aaaagatgag aacgtggctg gggagtggaa ccacacctct ggtcaatgga atggagacgc 240
 taatgacaaa ggtattcaaa ccagtggag 268

<210> 45907
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040568H1

<400> 45907

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 ccgctcccg cagttctcca aatcgttcaa agaggtgctg ccggcggagg gcgccgccgt 180
 cgagggcggg gtcgccgga ccgtcgagga ggcggcgaat ggaataata atgggtggtc 240
 tagcatgctg ccggagatcc tcggcga 267

<210> 45908
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040569H1

<400> 45908

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 attctcccct gtccatgcac atttcccaac agatttttat tatcaagcta acaatcaatc 120
 agaacttcag tatggtacaa atgagaatat ttcagaattt ttgactcgg ttgttaattg 180
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 tacggacaat ggatcaggca gt 262

<210> 45909
 <211> 277

<212> DNA
 <213> Glycine max

<223> Clone ID: 701040570H1

<400> 45909

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 gggaaatatg atgttcgact ttgccaggat ttggaccga aacacgttaa taggtctcgg 180
 cttgggtcag tttctttctc ttctcatcac ttccaccggc ttcacttctt ctgaattggc 240
 taaaaagga attaatgctc caacttcaca gtcgttt 277

<210> 45910
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040571H1

<400> 45910

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 gcttctctgg cggcgcactt ttctcggggc gcggtagagg ccgaaaagga cactgttgcc 180
 gtgccgtcgc ttccgttggt cgattactct ccgcctccgt atgcggggcc caccgctgac 240
 gagattctgg caaagcgc 258

<210> 45911
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040572H1

<400> 45911

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 ctcaccactg cctctttctt cccaccata accctgcctt ccaaactctc ctctctccga 180
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atctccgtcg gcgacaagct cccggag

267

<210> 45912
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040573H1

<400> 45912

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cacaatttta ctctcactat ctcggaacc gaatccacgc tctctatccc tacttctcca 180
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cttttcgct accttcctct tcaactga 268

<210> 45913
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040574H1

<400> 45913

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gaagcccgtt catgaccgta atgttgaaa gcggaacgct tccggttaagc ctgggagaag 180
tagtgcacaa aagaaggata agaaggccaa gaaagacgcc atcaagccta taagaccatc 240
cattgctttc tatgtgcacc ttgacgag 268

<210> 45914
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040575H1

<400> 45914

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002250-ETFE560

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 cttgaggacg gccgtaccct tgctgactac aacattcaga aggagagtac tcttcacctc 240
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<210> 45915
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040577H1

<400> 45915

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 attcaaagac atttttggag gatgaaattt tccatgaacc aatatttatg gatttgtcta 180
 ctgatttgac tattctgcga aatgagacat ttgatctgac tggaatcaag gttattgagt 240
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<210> 45916
 <211> 269
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 <213> Glycine max

<223> Clone ID: 701040580H1

<400> 45916

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 tcctttacag tagtttatct ttgcagagtc ttaggtgttt gttttaccag ttatatatttg 180
 aagtgtccgc cgatttcatg tagccgtagc cttcaaaact gggttcttga tcggcggtaa 240
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<210> 45917
 <211> 270
 <212> DNA
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<223> Clone ID: 701040581H1

<400> 45917

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 aagacacctg agttgcctaa ggtacgtgaa ttgcctaagc ccgagttttc taaagtcccc 120
 gaattacctg aggttcatga attgcctaag ccgaaatac ctaaaatact tgagtttccc 180
 aaggttcctc aatttcctaa agcattttca accagcaatc cttgagtttg aattatgcct 240
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<210> 45918

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040582H1

<400> 45918

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 cttcacctgc aggtgcgagc tccagactcc ccaactgcgac gccgtcggat ccaccgccgt 180
 cgtcgccatc gtcacgccgg acaaactcgt cgtttccaac tgcggcgact cccgcgccgt 240
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<210> 45919

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040583H1

<400> 45919

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 ttccaagttc attgcgagat cttctaaagc ctggccctgc aagtgttgaa atcgatgatc 180
 accctatgca aactgaagaa acacagtacc cgaaaacctt cttctataaa gaagaccttc 240
 atccaggcaa aacaatgaaa gtac 264

<210> 45920
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040584H1

<400> 45920

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 taccattcat gcttcgctct cacttcctaaa caaacgaaaa acattactat taccacttag 180
 gagtttactt cttcatcgct cacatcaciaa ttcactagga agctgtaaga aaaaggatct 240
 tcagtgtttc gagacctctg aagaaga 267

<210> 45921
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040585H1

<400> 45921

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 aaaattatga gatgtcttcc tctgtcacca atggcgatga ttctctcact ggccacatca 120
 tatctacaac tattggaggc aaaaatgggg aaccctaaaca gactattagt tacatggctg 180
 aacgggttgt aggaactgga tcatttgga ttgttttcca ggcaaaatgt ttggaaactg 240
 gggaagcagt ggccattaaa aag 263

<210> 45922
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040586H1

<400> 45922

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agcttggttg gaaaggggtca gccgctacca gtgcatttcg gccagctgaa cctaggaaaa 180
 atgctgagac agcatccact actaatgata ttgcttctgt tgacggcact tctatcaaac 240
 aacgtcgccc tcccttagat ttt 263

<210> 45923
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040587H1

<400> 45923

gagatccact gctgcagaat ccaatttgtg aactaaatc taagttacta tgactgcgca 60
 gacccaagag gagcttcttg cgcaacacct cgaacagcaa aagatccatg atgatgaacc 120
 tgtcgtcgag gatgatgatg acgaggaagt ggatgatgat gatgacgatg aggatgatga 180
 ccatgacgaa ggactagaag gtgatgcac tggtaggtcg aagcagacca gaagtgaaaa 240
 gaagagtcgc aacgcaatgc tt 262

<210> 45924
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040588H1

<400> 45924

aaagaacata agataacaaa cagaaagcgc ttataaatgg ctttccacga ccatctaccg 60
 cacgaaatca cgttccagcc gtttaccgag gagcagcagt taggtcagag cagggacact 120
 gcagcggctg ctcccgtctt cggcgggggc gccgacgtgg ctgaacaaca gcaccgcggc 180
 gacgtccgc cagcagaatt tctccacct gcagccggaa tccgccgcaa cgacgcagca 240
 aaacgacgac gttcgcggcg gcggcggg 267

<210> 45925
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040562H1

002220"ETTES60

<400> 45925

ggaagtgagc cagcagagga aggactacgt agaccctccg ccagcccccc tcacgactt 60
ggccgagatt aagctctggt ccttctacag agccctcatc gccgagttta tcgccacact 120
cctcttcttc tacgtcacg tcgccaccgt cattggccac aaaaaacaga ccggaccatg 180
tgacggcggt ggcttctcgc gcatcgcatg ggcttccggt ggcattgatct ttgtctctgt 240
ctactgcacc gccggcattt ctggtggaca 270

<210> 45926

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040534H1

<400> 45926

cttctccatt gctctcttcg tcttaccatc caggttatag gctgaaaagg gaagggggga 60
gagagagtgt ttgctggcaat ggaggaaccg agcaaaactga agcgtgccat gattgattcc 120
ttggctgggg caatttctgg tggaatatca cgcactgtta catcgcccct tgatgttatt 180
aagattcgat tccaggtcca gctagagccc acatcttcat gggcattact acgcaaggat 240
ttggcttcag ctacggctgc agcatcaaaa ta 272

<210> 45927

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040535H1

<400> 45927

aaacgctcgg cgcaccttag catataggct ggcaggagct ctgtcttcgt caaccgcaag 60
cgcgtctcgc tgctgcttcg cattggcggt gcaccacgcc aaacaaaccg taccatttcc 120
tcaccggcgg agtttctcgg ttccgactca atcttcgggt tcgggttact cgcccctgaa 180
cgacccttcc ccgaactgga gcaaccgtcc cccgaaggag accattcttc tcgatggctg 240
cgactacgag cactggctca tcgtcatgga gt 272

<210> 45928
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040537H1

<400> 45928

caggaaaaga agctgtgtgc agttattcaa ttaccatcac agacattgct actatctgtt 60
 tctgacaaaag ccttccgctt gattgggatg ctttttcctg gggatatggt cgtattttaag 120
 ccgcaattgt cgagtcagca gcagcaacag caccagcaga tgcaaaacca acagcaacat 180
 cttccgcagt tgcaacaaca gcagcagcta cctcacatgc agcaacaaca acttcctcag 240
 ctgcagcagc agcagcagct tcctcagctg 270

<210> 45929
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040538H1

<400> 45929

gcagcagcag cagcaacagg cgcggtttc acagcagcag tagccactgt ggttcgagct 60
 ccacctaaag atttcagact cgtcaagcaa gaatgggccg ctataagaat ccaaactgct 120
 ttccgcgccc tcttggcaag aagggtttg agggcattga agggagtggg gaggattcaa 180
 gctcttgctt gggggagaca ggtgaggaag caggctgcgg tgacattgag gtgcatgcag 240
 gccttggttc gtgttcaggc ccga 264

<210> 45930
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040539H1

<400> 45930

gcctgtatct caagaagctt ccaattatga tgaggttttt atgcagcaga gcttgctctt 60
 tgatgatagt ctgaaggatt tgaagaatct gagagcacia ttatattcag cagctgaata 120
 ttttgaactc tcatactcca atgatgacca aaaacaaata gtggtagaaa cattgaagga 180

ttatgccatc aaagctcttg taaatacagt ggaccattta ggttccgtga cctcacaagt 240
 aaatgcattg ttggatgaga 260

<210> 45931
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040540H1

<400> 45931

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 aaggaagtta acccagttct tggcgaaagc tcagaatggg aaattcaatg ggaggatctt 120
 gatattgggtg agcgtattgg tattggttct tatgggtgaag tttatcgtgc tgattgcaat 180
 ggcactgaag ttgctgtaaa gaagtttctg gaccaagatt tctctgggtga tgcgctagtc 240
 agttcaaadc tgaagttgag at 262

<210> 45932
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040541H1

<400> 45932

ccaagatatt cctcaacgta atccaatatt cctatctaag agctaccaag ctattattct 60
 gtcataagaa aaagaaacac acaaaagaga aacaagttgt tagccacagc ataagtcgat 120
 gcttactagt cttagttagg cctcagcgtc agttcatgaa aacttttgct tttataggaa 180
 ttttgctcag ggaggattct tgttgtattg ttgctgatag cctagagggtg gaagttttag 240
 tctttggttg gaactagttg ttggctttg 269

<210> 45933
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040542H1

<400> 45933

002220"ETTF560

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caatgcacag agaccaaact atttgccaat ggaggtttgc aagatagtgg aggggtcaaag 120
gtactcgaaa aggcttaatg agaggcaaat cactaatttg ctgagagtta catgccagcg 180
tccttctgag agggagcgtg atatcatgca gacagtacac cacaacgcat accacgaaga 240
tccttatgct aaagaatttg gaatcaaga 269

<210> 45934
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701040543H1

<400> 45934

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ttccaagaaa tgacgattat atcacgcaga ggcattctgta acatgccaaag actagatgca 120
gcaaaagtat atgctgcttt gctagagaaa ggccaaaatc gtgtcataga tgcttcactt 180
acacttattc gagaaagagc aaagcttaag ggagaacttg tgcgtgcttt gggacgtgct 240
aaagcaactt caactttctt ggagtt 266

<210> 45935
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040544H1

<400> 45935

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tcgtttctcg taaagtttaa gtaatcatgg gtaaggaaaa ggttcacatc aacattgtcg 120
tcattggaca tgtcgactct ggggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180
gaggtattga caagcgtgtg attgagaggt tcgagaagga ggctgccgag atgaacaaga 240
ggtcattcaa gtatgcctgg gtgctcga 268

<210> 45936
<211> 269

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701040545H1

 <400> 45936

 tcaaaagtca taaacccaat ttccatttct acaaacccta tctctcttct tacctaatat 60
 atacaaatat ctcaccaatt aagttttcca accttctctca aggatatatc tctatacaaa 120
 cactttggga gcaaagtata gctatgagat tgtagattac tatataatca taaagaacca 180
 tttcaagttt gaattcattc attttattct tttctcaatt catcaacaat gacccttatg 240
 aaaaccctat ggaaatcaat cttccccgg 269

<210> 45937
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040546H1

 <400> 45937

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 aagttgataa gaagaatgat ccaaaggccc aggcttgaa gactgctaag gcagttaagt 120
 caggtgctac ctttaagaag aaggtaaaga agatccgaac ttctgtcact ttccacaggc 180
 cgaagacctt gaagaaggat aggaacccca agtaccctcg cattagcgcc ccgccgagga 240
 acaagcttga tcattatcag atcctgaaa 269

<210> 45938
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040547H1

 <400> 45938

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 atcaaaaaga aaattagaag gaaaagatgt tgttggggaa gagacctcg cctccaatta 120
 tgaagagaac aacaagcatg tcggaaataa ctttcgatct gaacacgtcc ttggacgatg 180
 atccgaacaa ctccgtgaag ggaccaggag gagatgggcc tcctgttggg ctcaacggtt 240

tagatcagaa cagggtttgg gccatggttt ca

272

<210> 45939
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701040548H1

<400> 45939

ggaaggttgc ttgtattggt gcctggcatc ctgcaagagt ttcattcact gttgccaggg 60
ctggtcagaa tggataccac caccgaacag agttgaacaa gaaggtttac aagcttggca 120
aagctggaga tgaatctcac tctgctctta ctgagtttga taggaccgag aaagacatta 180
ccccaatagg tggtttccct cactatggtg ttgttaagga tgattatata atggtcaagg 240
gatgctgcgt tgggcccaag aaaaggg 267

<210> 45940
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701040549H1

<400> 45940

gtactttctt gcgaaacaga agggcgaagg ggcaaacaca acttttttgt ttttttgtag 60
agcgagagag aaaaaaatgt tggggatctt cagcagttcc gtggtgtcgc cgccggagga 120
gctggtggct gccggcagca gaacgccgtc gccgaagacg acggcgggga agctgctgaa 180
ccggttcgtg gagaacaagg cgtcggcggt gtcgctgcag gtgggagAAC acgtgcagtt 240
ggcttacacg caccacaacg agtcaccgtg gc 272

<210> 45941
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701040550H1

<400> 45941

gcttctgtca gcagaaaccg tagcactata attgttccgg ctggaagctc cagggatgaa 60

ggatgggcag cattcaggaa catTTtgga gagatcaatg aagcctcaag gcttttcatt 120
 ctgcccaatc aggtttcctt cttttgaaac agacatTTTT cttcctgctt agccacaaga 180
 atagtcaaag ttgttgcttt tttttattca tcttatttgc ttgtttgcat tccgcaatag 240
 caaaattctg aatcctcaga gcatcttgt 269

<210> 45942
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040551H1

<400> 45942
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 atctattaat agcatctggt ccaaaaatta ctctgcacaa gtggaatggc actgagttga 120
 atggtattgc attttttgac gcaccgccat tacatgttgt gagcttaaagc attgtaaaga 180
 acttcacctt tattggcgat atccataaaa gcatatactt tcttagttgg aaagagcagg 240
 gtgctcaatt gagcttatta gcca 265

<210> 45943
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040552H1

<400> 45943
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 tccaaacctg ttgctgaaac ccaaaaaaaaa cttagcaaca ttctatgttt ctgttcagag 120
 gaaaaaagaa aaaaaacata gcgttggtgt gttgagttga aaccgattca gctcaagact 180
 caggtcaatc caaatacaca tttagaagtt tcaattcaat ttttcaactc aatgatggtc 240
 caagagcggt cacttcccaa atcagtgaac c 271

<210> 45944
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040553H1

<400> 45944

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 agagattctc ccttccaaga cagttcacac tgaaaaagat aatggggaga atatagatca 120
 ttttaagggg ttagttagtg ttgccgatat tgttggattc agtgggtcag agacaatatc 180
 cttaaaacct gatggttatc tgaaatcctg gactagttcc attgatcttg ttagtgttct 240
 taagcatgag attcgtgatg gacaa 265

<210> 45945

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040555H1

<400> 45945

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 aaactactgg taaatttagg agcagctggt caacgtcaaa aggacaacaa atattcaaatt 120
 ggtattgaac ccttgaaga ttctgaagct gatttactgg agtcagatgc ttctaagaat 180
 ggagtttcta aggaatcacc tcttgatgaa gatatagatt tgatagattc tgatcataat 240
 ggtgattcta gtgatttact tgaa 264

<210> 45946

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701040558H1

<400> 45946

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 ctggactgct tgccagttga agaaagctac aacactgagg ccaatgcttt ttttgattca 120
 aggtttgggt ctgggaaaag gcagaaaatt gaaaatctcc ttgatgctaa aagcttactt 180
 tttgctgaac cttggtacaa gactgttaat aacttgcacc tgtggaatgc ctctttcatt 240
 gatgttgtat taatatccag tccaatgggt attatggg 278

<210> 45947
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040559H1

<400> 45947

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 acaagcccaa tccattcttc aagggatcgc acctctattg atgactttga gattataaaa 120
 cctatcagtc gtggggcatt tggaaggggt ttcttggtta aaaagagaac aactgggtgat 180
 ctttttgcaa taaaggttct caagaaggca gatatgatcc gtaagaatgc tgtggaaagt 240
 atattagcag aacgtgatat ctta 264

<210> 45948
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040561H1

<400> 45948

gttgatttgt gcttatagag gtacttcaga ttttgggggt ccaagttttc ctgttaatga 60
 gataaagcca gtcgtacacc ccccgctcctt tggtcaaccc aaatctactg ctcagcctgg 120
 tagtatgggt ccacctgtta ttgatctaac tggacttgaa gtttcagata atggccagaa 180
 aatgattact gaccttatga ctaactatga cacaatgtt cgaggcaaca agaagacaag 240
 ttctgtaat cacttagctg cagaa 265

<210> 45949
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040506H1

<400> 45949

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 cgatctacga taatgactcg cggtagccag agggatcgtg atcgcgaaag ggctcaggct 120

09531113-032200

agaactggtg ctaaaggcaa gcagaaagat gatggattga cccctgaaca gcgcagggaa 180
agagatgcaa aggcgctgca ggagaaggcc gcaaagaaag cggcacaggg tgcaggaggg 240
aataatgcag ctggaagcaa aaaataggc 269

<210> 45950
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701040508H1

<400> 45950

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gccatgataa gtgttacaga tttcaaagtc tgcgcgccgg gtatcagatc ttagactcag 120
agataatcca ctgcaagaga tatggcaagg ctactagca gtcccagatt tgtgcttctg 180
taacttgac tccttgattg tggacggctg acaattttta tcagatgcag tactaccttt 240
cagtttactt cgttt 255

<210> 45951
<211> 82
<212> DNA
<213> Glycine max

<223> Clone ID: 701040509H1

<400> 45951

cgtgtcgtcg cgttgttgga cgggtgcctcc ttcccgatcc tcttcgacaa cgacaaggtc 60
gagaagctca acgttctcga cg 82

<210> 45952
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701040510H1

<400> 45952

gccgttccca tccccttccc ttccctctcc gcaacccac tcgctcacct ccgctgcttc 60
ctcacgctct cccacgcgc cttcaagatc gttcttttca actccgacca ccaccagac 120

09531113.032200

gccgccggca ccgccggaaa ctgggaactgc ggctctttct ctctctactc tagggttgtt 180
ggtgttcgtc ttgacaccat ggaggagttt tgtcggattc ttgccggaaa acgttggagc 240
ttttacaaaa ccaagaaaaa cccttcttcc ga 272

<210> 45953
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040511H1

<400> 45953

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tccaagatgt gacgattata tcatgcagct gcatctgtaa catgacaaga ctagatgcag 120
ctaaagtatc agatgctttg ctagagagag gccaaaatcg tgtcatagat gcttcactta 180
cacttattcg agaaagagca aagcttaagg gagaacttgt gcgtgctttg ggaggtgcta 240
aagcaacttc aactttcttg gagttccttt 270

<210> 45954
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040512H1

<400> 45954

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tcactacacg cgtgccagan ctcagtgtct gagacgcacg caacgtgcat tttcccatac 120
gaaggacacc atcacgccgt tttcgcgtcc ccgtcgtttc ggatccatcg tcatcgtttt 180
tgtcttcttc ttccattagt ttagttgaga atcaatccca agacaccgag ctggagcctc 240
cgccccccac cgccgctgcc tccaacggtc a 271

<210> 45955
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701040513H1

<400> 45955

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 attaattact gttcaaagtc tggaggtctt ccaactgtcaa ttccgttttt tcagcgttta 120
 tttgggatcg ttcttacttt tcgactgtaa cggatttatt ggatcatctc ccacgccctt 180
 ttcaattaatt ttttggggaa tttcatttcg ttttatttgt ctgcctgtg ctttgaggca 240
 aaagggttgt gttcacgagt gaacggtgtt ga 272

<210> 45956

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040514H1

<400> 45956

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 ctctccttc gatgatgcca accctatccg tttagcgctg gacttggagt cgcacgtgct 120
 ggacgtgatc ggacagagcc gccacgtctc ctcttcgcc cgcttcgctc gccgccacgg 180
 caagcgctac cgttccgtcg acgagatccg caaccgcttc cggatcttct ctgataatct 240
 taaactcatc agatccacca acaggaggtc 270

<210> 45957

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701040516H1

<400> 45957

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 ccttgatgaa gcatgtctgt tgaaagctca caacaaggc cttgcaatga cttatactaa 120
 tgttacaagg ccttggttgt gagg 144

<210> 45958

<211> 269

<212> DNA

<213> Glycine max
 <223> Clone ID: 701040517H1
 <400> 45958
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 agatgtcggg aagatgacct gcacttggtg gagcatgtgc tggattcatc tgcacaggac 120
 tatgctgaga aagcaaagt tgcaccacca gagatcattg ttgacaacca agtttatctt 180
 ccacctggac ccagtcacca caattctcat gatctctact gctctggtgg ggaggtggtg 240
 gcttctcgtg atggaaagat tgtgtgcga 269

<210> 45959
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040518H1
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 tcactaaact tagctctcct tctccaaaca tcttttggag ccgacctct cttccatttc 120
 tgttcaaatt ctgagaactt cacagccaac agtccttatg aatcaaactt gaaaacactc 180
 atcaactcac tcattctaca gaccccttca actggttttg gtgttggttc tgacggccaa 240
 taccaaaacc aaaaggcata tgcgcttgcc cttt 274

<210> 45960
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040519H1
 <400> 45960
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 cgtttttcta gttttttcc 79

<210> 45961
 <211> 270
 <212> DNA

09531413-032200

<213> Glycine max

<223> Clone ID: 701040520H1

<400> 45961

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atgataaata cggcaatacc cgcctctatg tggggcactt atcttcgagg actcgttccc 120
gggatctgga gcgtgccttc agcagatatg gaagagttcg ggggtgtggat atgaagaatg 180
atttcgcctt tgttgatttt agtgatcctc gagatgctga tgatgcaaga tataacttgg 240
atggtcggga tgttgatgga agtcgtatta 270

<210> 45962

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701040521H1

<400> 45962

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cgtgccactg gtggcaagaa gaaggcatgg agaaagaaga gaaagtatga gcttgggcgt 120
caggccgcaa acaccaagtt atcaagcaac aaaactatcc ggaggattcg tgttcgaggt 180
ggcaatgtta aatcgagggc attgaggttg gataccggca attactcatg gggtagtgaa 240
gcagttactc gcaagactcg tattctaga 269

<210> 45963

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040522H1

<400> 45963

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ggaacggcctt agcgaatctc taccaggagg gttccatgct cactttcgaa gggcagaaga 120
tccaaggcgc ttccaacatc gttgccaagc tcacctcctt cccttttcag cagtgccacc 180
actcaatctc caccgtcgac tgccagccct cggcggtcaa cgccggcatg ctctcttctg 240

tcagcggaaa ccttcagctc gccggcg

267

<210> 45964
<211> 266
<212> DNA
<213> Glycine max

<223> Clone_ID: 701040523H1

<400> 45964

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tcttccttga tctacgttac gcttttagtg accggatctg tatggatctg aaccagatct 120

acacgccgat ggtggttttg gcctgggtaca ataaatcttc catcggagtt ttgctctgta 180

tagatactgt agataatcga tgagaagaac gcagatccag ccgcttccgc ttgttcgac 240

actacagacg cttgtatcgg attatt 266

<210> 45965
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040524H1

<400> 45965

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tgtaggaac actaggactg taaaccgaac tgggcatcta actgggtaca agctagtacc 120

tggctcaaat tgtttacctt tagctggctc agaggccaag tttttgagaa gggcagcttt 180

cttgaaacac aacctttggg ttactcctta tgcacgcgat gaaatgcac ctggaggaga 240

gttcctaat caaaatccac gtgttgagaga 270

<210> 45966
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701040525H1

<400> 45966

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gatccccatt acagatactg tgaaggttga tgttcagaaa ggcaatagca gcagtagtaa 120
 taacaaccag aacgcaagtt cttctttcaa gaatcagccc tcacaatctg accattcctc 180
 aggacattgt aattatcaga gaggtggtgt ttctcagaga attccctagc ggggcgaatg 240
 gtcccatcgt agagtgtacc aaggaagaa 269

<210> 45967
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040526H1

<400> 45967

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 cttactcagc ttcttcgagt agatacgagt tgagcaaagg catcaatggc ctcgacaagg 120
 ttattcttcg cgacgcacgt ggtagctccg ctgaggtgta cttgtacggt gctcacgtga 180
 cttcatggaa gaatgaccat gccgaggaat tgctttttct cagtagtaag gctatcttta 240
 agcctccaaa gccaattcgt ggagggatcc caa 273

<210> 45968
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040527H1

<400> 45968

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 ggcgtgtcca agcgcggcgc tccggccttc ggcgtccct acggagcaga cgggtccgcaa 180
 cgcgtcgcga ccaacggcgg tctccggagt gtcgtcgcag tcggcgaaat ccgcggaggt 240
 ggcgccgctg cacacggcag ctgcctggga c 271

<210> 45969
 <211> 268
 <212> DNA
 <213> Glycine max

0022200. ETTT2560

<223> Clone ID: 701040528H1

<400> 45969

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caacaaacct caaagcttgt catatatact tactcttggt tgggtggtggt ttttgtgttc 180
cgatgggaaa cggcataggg aagctaaagg tgtgattcac cggaaacggt ggaggggggtc 240
gtcggaagca ggatatatcc tttttaat 268

<210> 45970

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701040529H1

<400> 45970

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ctagacatca aacgctacct cgtactcttc ttcctatggt tcatatcaac cattctgata 120
cgttccatct tcaagaaacc acagcgtcta agactccac cgggtcctcc aatttcaata 180
cccttgctgg gacacgcgcc atatctcgt tcaactgctcc accacgcatt gtacaagcta 240
tcaactgcgt atggaccctt gatccacgtc a 271

<210> 45971

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701040530H1

<400> 45971

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aatgattgat ttgaaagaat tgtccttggt cagtggaaaa gctgcatgga tggcttacct 120
ggatacctac tgtttgatg ccgatggtgc tctttttgat gctgcattac tttctgccgt 180
tgcttcctta tctcatttgc aaattcctgt tgttgccatg aatgatgatc gcaaaatagt 240
actcgtgtct gaacaacatg gacaaaagc 269

<210> 45972
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040531H1

<400> 45972

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 tcgccattcg cccagcaaag tacccttttt gcgtgaaggg tcgctgtctac tgtgaccctt 120
 gccgtgctgg ttttgagacc tcagcaacca cctacattgc cgggtgctgac attatgttgc 180
 aatgcaagag caggggttagc aacgaggttg tgtacaccaa gaaggggtac actgactcaa 240
 ctggagcata cacaatgtac gtgga 265

<210> 45973
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040505H1

<400> 45973

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 ggagaaaatt tgggacctcc acgataagct cagcgacgcc attcactccg tctccagatc 120
 ccactttctc acttccgtca aaacctcaa actcaacaac tctccaccga caccttccca 180
 acgccgccgt cgccgctgcc gatgaccgct cctcacgttt cgttttcgtc aaggacttta 240
 gaccgctcgc cgtcgccgat aacgacaacg atga 274

<210> 45974
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040374H1

<400> 45974

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 actcctccac cgtggctccg gcaacactct acaaagctct gacaaaagat gctgacacta 120

tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga aatggaggac 180
 ccggaaccgt caagaagata acagctagtg aaggtagacca aaccagtttc gtgctgcaaa 240
 aagtggatgc aattgacga 259

<210> 45975
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040375H1

<400> 45975

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 tctccatatt agagaagatg cattctagag gatatgtgca cggatgatgta aaacctgaga 120
 acttttttgcg gggacccctt ggaactcctg atgaaaagaa gttgtttctg gttgatcttg 180
 gattagcaac tcggtggcgt gatagttcta ctggccttca tgttgactat gatcaacgtc 240
 cagatgtttt taggggcaca 260

<210> 45976
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040376H1

<400> 45976

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 cggagcttgg ctttgcttat cgattctctc tcctctcgtt tctctaattc caagggttgc 120
 aaaagatggc agatgccgag gatattcaac cccttgtttg cgacaatgga actggaatgg 180
 tcaaggcagg atttgctggt gacgatgctc ctagggtgtt ctttcccagt attgttggcc 240
 gacctcgaca tactgggtgtt 260

<210> 45977
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040377H1

<400> 45977

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 ctgtcctctt attttgctga ccattgatat tctttatgcc tttggaaggt tatggtattt 120
 ataataataa tattattatt gttgttttgg ttgtagtgtt tgttattggt tgtggttgtt 180
 gttgttatat gtctctttaa taactttttg ttttattatt cctaccatta aatatgtaga 240
 tattgattca acgatcac 258

<210> 45978

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701040378H1

<400> 45978

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 aactaggcgt tcttccctcc gtccccggcg tctacaagg tgctgaagga ggaggcgacg 120
 gggctgctgc tcatggagcc gttcccgcac cgcgagaacg tggagattct tcggttcccg 180
 aaccgccgcg gcacggagat cgtggccatg tacgtgcggc accccatggc caaatccacc 240
 ttgctctact cgcacgggaa cgccgccgac attggcc 277

<210> 45979

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701040379H1

<400> 45979

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 gatgtaacag acagaaacag cattcttttg ggataccct ttgatattctg attctggaca 120
 caagctgtag gtgttacttc aactggattc tggataaata atatattaga tacagcttga 180
 agttatgtct gcgtatggcc atcaagtgga gcggatgaat tctacaagga gtctctcagg 240
 tggtggttct gagttgc 257

<210> 45980

<211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040380H1

<400> 45980

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 ttgccagatg cagatcttcg tcacagacgc tcaccggaaa gaccatcaac cttgaggtgg 120
 aaagccctga caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaattcccc 180
 cggatcagca acgtctcatc ttcgccggaa agcagctcga ggacggccgt accctcgccg 240
 actacaacat ccagaaggag tcaac 265

<210> 45981
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040381H1

<400> 45981

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 tctacgccgc acgccgaaac catggccgga aaaggagagg gtcttgctat cggaatcgat 120
 ctcggaacca cctactcttg cgtcggtgtg tggcaacatg accgcgttga aatcatcgcc 180
 aacgaccaag ggaacagaac cacgccgtct tacgtcggat tcaactgacac cgagcgtctc 240
 atcggtgatg cggccaagaa tcaagtcgcc atga 274

<210> 45982
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040382H1

<400> 45982

gaatattgag tccaattctc cttcgctttc cctctttatc tgaaaggtat ggagtgtttt 60
 gacttctgga agagataatg gtgcagtgcc tagacggatt aaagcatttg tgtgctgctc 120
 tggtaaattg ttgtgatgcc gattcgtcaa agtcacctac aggttttagac aatccagaag 180

002200"ETTES0

ttcttgcaag agaaacagtg tttagtgtaa gtgagattga agcgetgtat gaattgttca 240
agaagatcag cagtgcagtg attgatgac 269

<210> 45983
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701040383H1

<400> 45983

gatagattga aggcaatcaa atcatcttta taaaaagatt cttcttcatc gtctatgttt 60
tcctgcatat tcagttttaa ggttcaagca tcttcttgaa actcttctca agctcgacgg 120
gaatttctca gcttttctct cgttacctca cccatcaaag tttctctctc tgggtgtttg 180
tttatcggat ccggggcatt gcaagatttg atcatttcac gaatcatatc attatcaaac 240
actcccattt tctgggtact taattgggat gggt 274

<210> 45984
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701040384H1

<400> 45984

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ggttgatgat gatatgacgc tgtgcatcat cgtcggctat ggaggttctt cttcttctcg 120
tttctccgat gcttatccca aaaggggttt gatggagggg agatatagtg gggattgata 180
tgatgaaggt gtttataagg ttgttttgtt gaaattgtgt ttttgggatg gcaatattgt 240
acgaaccagc aataaaactc atcgaccaga tg 272

<210> 45985
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701040386H1

<400> 45985

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catccataaa tactactaag tgaaccacac catgcagatt ccaactccaa ccttggaata 120
aaaggtgaaa aaaaacagca actttaacct aagacaagag agtagtatct aggaagtttc 180
accttccttg gagattccaa ctacatcaa aatctgagga agatctcaac cacttcactt 240
tccaagagga ggtgaggcat catggctcaa a 271

<210> 45986
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701040387H1

<400> 45986
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acaaagaaaa cctttgggtt tccaagatg tcatcatcgg aactctcttc tttctttctc 120
ctgcccctat cagccatact cagtttcgat gctttgctcg gagttatggt tctagtggcc 180
gtgttcggct actggctggg tcccgggtgg cttgcttggg ctttgtccaa attcaagcct 240
gcgattcccg ggccttgagg tta 263

<210> 45987
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701040388H1

<400> 45987
gcattgcaca gtgctttgcg tttcttggtt gtacaaagtg gcacaatcca actattcatg 60
gaggctgtca tattacagaa ccgtgttcat catcaaatac cataagatac ctagacttga 120
ggacaggagg cttagtgtgt tacacagatg aagatagaca gcaaaatggg ttctgcaatc 180
tgcaggatat cggcagccat attatgaaaa ttccattcat tggtttccaa atacttcttt 240
ttatgcattt agagggaaca ccatcca 267

<210> 45988
<211> 260
<212> DNA

002220" EFFE560

<213> Glycine max

<223> Clone ID: 701040390H1

<400> 45988

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gctcaaggca gttgggtcga cccaattcag agaatggtgg agggcaggac gccagaatc 180
tgagggtcaa gcttgttctc ttaggtgatt ctggtgttgg taaaagctgt attgttctac 240
gatttgttcg tggtcagttt 260

<210> 45989

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040391H1

<400> 45989

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caaccacccc caccacccc ccaacctca acttagggtt cttctgttct tcttcttctt 120
ctctttaa ccaacaaca gaaaaaaaaa tcacattccc caaacacccc ttctcgctcc 180
gcatggcgaa aacgaggcca ggcagaaagg acgtggactc gtacaccata agaggaacca 240
gcaagatcgt ccgagctgga 260

<210> 45990

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040392H1

<400> 45990

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ccttggggca ccaccaccac caccacaaac cggcgggcggc ggctatacat ccgtcgcaac 120
cgccgcagtc tcagccgcaa cccgaagttc ctgcgcggag ctccgatatg gagacagata 180
aggatatgtc agctactgtc attgagggga atgatgtgt cactggccac ataactctcca 240

ccacaattgg aggcaaaaat gg

262

<210> 45991
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040393H1

<400> 45991

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ttgagttgct tgcaaaatat ggcacaactc atcttgttt caacgatgat attcagggga 120
ctgcatctgt tgttcttgct ggggttggtg cagccttgaa gctcattgga ggtactctgg 180
ctgaccacac attcttgttt cttggtgctg gagaggcagg aactggaata gcagaactaa 240
tagctcttga gnatgtcaag 260

<210> 45992
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040395H1

<400> 45992

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ctcacaaaag aagaacaaa acaatggcgg atcaactcac cgttgaacag atctccgagt 120
tcaaggaagc cttcagcttg ttcgataagg acggcgatgg ttgcatcaca accaaggagc 180
ttggaactgt tatgcgttca ttggggcaaa acccaactga ggcagaactc caggacatga 240
tcaatgaagt ggatgctgat ggga 264

<210> 45993
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040396H1

<400> 45993

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002220 "ETTES" 053113-032200

tcttctcaa catcttcac caaacaattt cagcccaagt agcaccggca ccagcgggac 120
 ccaccaacat cacccaagtg cttgagaaag caggacaatt cacaaccttc atcaaactcc 180
 tcaaagcctc acaaatagct gatagaatca attcacagct aaacaactca aaccaaggcc 240
 taaccgtggt tgcaccact gataatgc 268

<210> 45994
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040501H1

<400> 45994

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 tacattccag ttccataatc agattggcaa attcaaagtc acccatttca gaaccatggt 120
 tgagactcaa aaccacttc ccaaaaccac tcctttcccc aacaagtgtg aacttcactt 180
 gcaacaagaa tcaatttttg cacggtaaaa acaggaacag gttggatttc aggacttggt 240
 ctattgctgg ttttgattat ggaaactttg aagggcctca gt 282

<210> 45995
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040502H1

<400> 45995

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 aacaagtgat caacggagaa ggccaaagcc cgttactact cttcttcagt tgacttaatc 120
 cgtctctagg gcatacgtca gcgcgtgtgc ttaatcgaga gttgacgaag aagatggaga 180
 ataatccgaa ggagcaagct ggacagcaaa gcggtcaatt tcaacggaga ccctcacatt 240
 cagacaatg gcaacgtatt ccaccactt 269

<210> 45996
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040503H1

<400> 45996

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cagtgcattc ggacgcttgg atgattcttt cagtttaacc tcaatcaagg cctatattgc 120
tgagttccat tcaaccttgc tctttgtttt tgccggtgtt gggtcagcca tagcctatgg 180
taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg ctatttgcca 240
cggttttgca ctctttgttg cagtttctgt tggt 274

<210> 45997

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040373H1

<400> 45997

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aggagattct tgattatattc agggagctat tgatgaaacc ctgaagtata ggctataggc 180
atttgtaata cccatctgac agacaaaagc attggaaagt gatagaaacg atagcttctt 240
atttgcaaaa acatgtataa gggtc 264

<210> 45998

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701040341H1

<400> 45998

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ggcagaggaa aggtgtggct tgaccccaat gaagtcaacg aaatctccat ggccaattct 120
cggcaaaaca tcaggaagtt ggttaaggat gggtttatca tcaggaagcc aaccaagatt 180
cactcacgct cgcgtgctcg taggatgaag gaggcaaaga agaagggccg gcactctggt 240
tatggtaaga gaaaggttac aaggga 266

<210> 45999
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040342H1

<400> 45999

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 tttcaaggag aagttgggta aagcaccaca agagctgaac agtccagctt cgttgaattc 180
 atgcactaag cctaagctaa gtcacgaaat ccttcaggat ttcattgtct gcaattcctc 240
 caatgctttc tcaatgtgct ttggg 265

<210> 46000
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040343H1

<400> 46000

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 ctctctttct tctctctctc ttgtccatcg cttccgcaa tgtcttcttc gaagagcgtt 120
 tcgatgacgg gtgggaaaat cgatgggta aatcagattg gaaaaaagat gagaacgtgg 180
 ctggggagtg gaaccacacc tctgggtcaat ggaatggaga cgctaataac aaaggtattc 240
 aaaccagtga ggattacaga ttc 263

<210> 46001
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040344H1

<400> 46001

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 atggaggatt tcttaaaca gaagacagtg agagatgctt taggtgttgg ggacttgagc 120

ttcgtttcat gcagtagcac agtgtatagt gctatgatgc aagactggat gagaaatctg 180
 gaagttggta ttcccacact tcttgaggaa ggaatcaagg tgcttggtga tgctggagaa 240
 gaagatctca tatgcaattg gc 262

<210> 46002
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040345H1
 <400> 46002

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 cttcactggt tagagatgag tatgcaccgg tgatatttgt gcaagacact ctctcttacc 120
 tcgaatctat tgatatgatg tccggggagg aggaccgaga aaatatatttg acggataggg 180
 ccactgggaa agctgttctc actagtcctt ttaggctggt ggggtctcat catcttggtg 240
 tggttttaac atttctggt ta 262

<210> 46003
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040347H1
 <400> 46003

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 acggagctga gcaagagcaa caaggaccga atcaacacct cttccgcatt caattccttc 120
 aagaacaact acctcatcgt ctattccctc atgatggctg gagattggct acaaggtcca 180
 tatgtctact acctttacag tacatatgga tatgggtcgg gagacatagg acaactcttc 240
 attgctggtt ttgggtcttc catgct 266

<210> 46004
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040348H1

<400> 46004

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 cttttgatga ggaaaactcc tccaccgtgg ctccggcaat actctacaaa gctctgacaa 120
 aagatgctga cactatcatc ccaaagatta ttggggccat ccaaactatt gaaatcggtg 180
 aaggaaatgg aggacccgga accgtcaaga agataacagc tagtgaaggt gaccaaacct 240
 ctttcgtgct gcaaaaagtg gatgcaat 268

<210> 46005

<211> 197

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040350H1

<400> 46005

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 tcggagccgt caccggagcc tccagcgtct gatctcgtgt ttgacgactt ctctccaac 120
 ttcaacgcct tcctcatccc ctccatggac tcgctcttca acaccactga cgagacaaac 180
 ttgcctccg atctcga 197

<210> 46006

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701040352H1

<400> 46006

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 gccttcaatt ccgtagagc cctcctggc tccgaaccg gatcgcttct gcatgttccc 120
 aatccaatac ccccaaactc gggaaatgta caagaaagcc gaagcctcgt tctggacggc 180
 ggaggatgtg gacctctccc aggacctccg cactgggac tccctcaccg acggcgagcg 240
 tcacttcgtc acccaagtcc tcgcttctt cgccgcctc 279

<210> 46007

002220"ETTES60

<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701040354H1

<400> 46007

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cccaccacgc cagctctccc agaaggaagc tgacatccag atgatgttgg ccgccgacgt 120
ccacctcggc accaagaact gcgacttccc aatggaacgt tacatcttca agcgccgcaa 180
cgacgggatt tacattatta accttgggaa gacgtgggag aagcttcagc tagcagctag 240
ggttatagtt ggaattgaga accc 264

<210> 46008
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701040355H1

<400> 46008

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tcttagtgcc tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga 120
atcagtgaac gaggggcacc ctgacaaact ctgtgaccag atctccgatg ctgtgctcga 180
tgcatgcttg gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa 240
catggtgatg gttttcggag agatcacaac ca 272

<210> 46009
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 701040357H1

<400> 46009

gctttattgt tgacgtatgt tccattaatt ggaatggaac attctatagc aagctgccgg 60
ccattggaga ctaccagcag attgtaaatt ttcaggaatc ttgttcttgt aaagtacact 120
gttttcgttg ttttattatg tctagcggaa gcacttggat attgatacac gctgtaacct 180

<210> 46010
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040358H1

<400> 46010

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 cccccaagag ggtcctggtg tgtctgattg agaaggaaat tgagtttgaa acagtgcag 120
 ttgatctctt caagggagag attaaggaac ctgagttcct taagctgcag ccatttggat 180
 cccttcctgt tattcaagac ggtgattata ctctctatga atctcgtgca ataatacagat 240
 acttagctga gaagtataaa g 261

<210> 46011
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040359H1

<400> 46011

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 ggatgatccc cttctttgat ttctctcaag tggaaaaggt ttcggtagat gctgttaagc 120
 agaagtttgt atcgatgaga gttgaccaca tgaaaaatgc tgtgattttt tgcaaaaaga 180
 gtcttgagtc tgatggctta agggatcact tggccaattt tgctgaacaa ttaaataaag 240
 caagacagat gatttatcct cc 262

<210> 46012
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040360H1

<400> 46012

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002220 "ETTE56

atctcgtcga tctgagctca aaacaatggc gaaaccaagg tactctcgtc ttccacctcg 120
 caagtcacgc tctgtttcca cgctgattct gactctgttc ctggtttcca ccttctcgt 180
 tctcattctc ctggctctcg gcatcctctc cattcctagc tctcgcgtg gaaatttgcc 240
 caaacctaac gatctcgcat cc 262

<210> 46013
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040361H1

<400> 46013

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 cgtcatcgc ggaggatgct gctgcttctg ctaatggtaa aattcttcat aaattattgc 120
 cttttgcttc tacttttgtt tcccttatgc ttaataatcg acccttttca attcttgctg 180
 ttagtggttt caactatgta gtgtaatatg gaggcaaaaa cagatcgtgc tttgattacg 240
 gatgaaaacc agattcaatg ttacat 267

<210> 46014
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040363H1

<400> 46014

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 gcagtgttcc acaacattca gttggcactc caccaacaat gagagctcct cccggccctc 120
 ctgttcagcc ccagcccccata tatcccaatg taactcaagg aataatgcag cctccaagtt 180
 caccttttgg agcacctact tggcagatgc aatctcagca ggtagcacca cctcctccag 240
 ttcttggtcc ttcacaggtt cctcgga 267

<210> 46015
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040366H1

<400> 46015

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tcacagcctt cttcactcac aggaggtgaa gatgtcgact ccggctagga agagactgat 120
gagggatttt aaaagattgc aacaagatcc tcttgctggc atcagtgggg ctccccaaga 180
caataatatt atgctttgga atgctgttat ctttggccca gatgacaccc cttgggatgg 240
aggtaagctt aagttgacac ttcagtttac agaggat 277

<210> 46016

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701040367H1

<400> 46016

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tcccacaaac caccgtcaga ctccaacagc gctgccaccc ctgccgccc ctccaaaccc 120
cccaaagcca caccaataac tcttccctca aaccctctcg ctaacaagct atggctcaca 180
agcaaactct cccctcctcc tcttccctccc ccaccggcac cgccaccacc ggaaattgac 240
accgaaacca aaaaagagag cggcggtgaa ggcgcgg 277

<210> 46017

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040369H1

<400> 46017

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taaataccct tccacgacac caatttcttc atcctctcat tgaaaaacaa aattaatcat 120
cttacttatt tatttctcga aaatggttga ttacattgg aaatcaaaga tgccaagttc 180
cgacatgcct tccaaaactc taaaactctc tctctccgac aacaagtcct taccctcttt 240
gcaactaccc ttccgcacca cagatatctc tcacg 275

<210> 46018
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040370H1

 <400> 46018

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 ctcagatcag aaccttggcc atggcagcgt tccagaagat caacgtcgcc aaccccatcg 120
 tcgagatgga cggagatgaa atgactcagg gttatctgga agtcaatcaa ggacaagctc 180
 attttgccct tcttggagtt ggacatcaag tattatgact taggccttcc ttaccgtgat 240
 gagaccgatg ataaagttac aattgaaagt gcg 273

<210> 46019
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040371H1

 <400> 46019

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 gattgccatc aaacatcaca caccacgcca ccaactatac gtcagcattg aaccctaaaa 120
 tacatgactc agaagcagag aaccagaatc ccagattcca tggaaaccca gtacgaggag 180
 agtgagaaaag acgagtcttc ctcttcttat agttcctcag aagacgagga ggaagagata 240
 gagaaggagc tggctgatgt aacgtttgag gagt 274

<210> 46020
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040372H1

 <400> 46020

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 ccgcttgctc tctctctctc gctctttcag ctttgacttt ggtggaaact aaagactagt 120

caaaatggtg aagttcacag ctgaagagct gcgtcgatt atggactata agcataatat 180
 ccgtaatatg tctgtcattg ctcatgttga tcacggaaaa tcaaccctga ctgattctct 240
 tgtggctgct gctgggatta ttgctcaag 269

<210> 46021
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040340H1
 <400> 46021

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 attgaaattg gcttttggtt taagcaccag ataaaattaa aaaaaaatag tgttgatttt 120
 gagccacatg aatgactggg cttataatta gaaatttaga taatattcaa aggtaataac 180
 aggagtagtg tcagttgtta atttgagcat atatatttgg ccagcagaac tgaatgtttc 240
 aatcaaattt gtcatacact gttgtttatt tttc 274

<210> 46022
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040307H1
 <400> 46022

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 caacgaagca gaagcaaaca atggccgac aacttaccga tgaacagatc tccgagttca 120
 aggaagcctt cagcttggtc gacaaggacg gcgatgggtg catcccaacc aaggagcttg 180
 gaactgttat gcgttcattg gggcaaaacc cacatgcggc agacctccag ggcttgctca 240
 atgaagtgga tgctgatggg aatggtgcc a tatgacttcc ct 282

<210> 46023
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040308H1

<400> 46023

tctggctaac caaccctgac actccttctt ctccgcttcc tcttcgatca tcgcttcaga 60
atgccgccga agttcgaccc ctcccagatc gtcgacgtct tcgtacgcgt caccggcggt 120
gaggtcggcg cggcgagttc cctcgccccg aagatcggtc ccctcgggtct ctcccccaag 180
aagatcggag aagatatcgc caaggaaacc gccaaaggact ggaagggcct ccgcgtcacc 240
gtcaagctca ccgtgcagaa ccgtcaggcc aaggtca 277

<210> 46024

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701040309H1

<400> 46024

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catttcctga actataagct atatagcact tccataatct tacaacaatg gaggggacca 120
gcagccaaag cacgtttgcc ttcattcccta gcacaattga gacaccaagt ccaagcatcc 180
ctgagatatt atcatcatct tcccctgggt ctcttgcaag aattgcacaa agttaccctc 240
ccggctttcc cagaaagggtg ttagcggaga ttatag 276

<210> 46025

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040312H1

<400> 46025

aaacggtggt agggtagtaa gtaggattag ggtaggggt cctctttact ttacccgcgt 60
aattctacct tccttccaac aataacaaca ataatgttcg gctccatcaa ccagatcgtc 120
tccgccgaag acaccgacgg ccccgctctcc gaccaccaca tccattacag ttcccacacc 180
atcgaagacg acggcgccgc ctccgatcac cacatccatt acagttccca caccatcgaa 240
gaagacggcg ccgcctccga ccaccacatc 270

<210> 46026

<211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040314H1

 <400> 46026

 cacctttctt ccctatcttc tacatttaag ccgattcatc aaccttttca acttgagatg 60
 ccccttttct ccactcactt tgtttcacat tgctgctaaa gcaaaattct tttttttttg 120
 gttcacctca gcatacatat aatagcatat gatgaagaag aacaacctca gttgctgtgt 180
 gttgttgac ttcctttgct gttgtctct tttgccagct cttgttctct cccaccacat 240
 ccatggaac cctgcaagta acatttttga ca 272

<210> 46027
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040317H1

 <400> 46027

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 ccttccgacg agatctacaa cgttggtggt gtttagatct tgaatagtgt attggtgttc 120
 ggtgagatgg aagaaaggaa gcaatcacgt tatgtgaagt tgactaaaga tcagacacct 180
 ctggaagaca ttacccttgg cgaactcaac cagccaattc aggttcttca gttggacgtt 240
 cgcaagtgcc ctgaatgtag acagccgcta cctgaaagct atgctcc 287

<210> 46028
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040318H1

 <400> 46028

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 ctctccaact caaacattta tttcttctt ctccgacaag ttctatatct tccttccttt 120
 cattcatctc tcgttaatca atctttaccc ttccctcttt gggttggtat caaccgtttc 180

0953113-032200

0953113.03200

tttcgtgttt tctctagtgc tacggaaccc aaccaagtta gtttgaaggt tattgtgatt 240
ggttgagtat gacttctcag ctgaggaatg gaagtgggag ttcga 285

<210> 46029
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701040320H1

<400> 46029

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tgggcctttt gcccaacatg atactgtatt tgatggggac ctacaggctt caccttgccc 120
aagcaacca gatacttctc tgggtcccatg ctaccagcaa tttcacacct gtgggtgggtg 180
ctttcattgc tgattcttat ctgggtcgat tctctgctgt tgggttgggt tcggccatca 240
cttttctggg aatgacactg ctgtgggttaa cagctatgat c 281

<210> 46030
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701040321H1

<400> 46030

gctcttagca ccaccaccag cttctgcagt agctttaagc tacgaaagat tttccttgac 60
catggggcaa tagcatttag tgacggtggt ctgtttatgg gctttaacat gttcacttct 120
tccatcttac tcttttgaa ttctgagaat tgggatgaag aagagacctc tagatcgtga 180
tagtactaat gctgctagaa aggctagaga tgggtctaaga tctgtaagac caatgatggg 240
tgcacatgat cagtttatgg gtaagtc 267

<210> 46031
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 701040323H1

<400> 46031

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 tccaatacaa gctgtggttt ctctaggct cccctcacat ttatacaaac gtgtgcctgc 120
 tgagatctaa tctttctttt ctttcccttg gtatactctt tgttgcatta agaaaaatgc 180
 cttgtggcac tactttt 197

<210> 46032
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040324H1

<400> 46032

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 tggataggat atgtgcggaa gcaatgctgc aattagtgat ggctacacta cccttgtgtt 120
 gtctgataga gccttctcaa ggaaacgtgt tgctgtgagc tccctgctgg ctgttggtgc 180
 tgtccatcaa catctagtga aaacacttga gcgtactaga gttgccttag taatagaatc 240
 tgctgagcca cgtgaagtgc aacatttctg caca 274

<210> 46033
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040325H1

<400> 46033

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 cgaagcgagg aagagatgag ggagaggtac gagatattct cgcaaaacct caggttcac 120
 cgctcccaca acaagaaccg cttgccctac actctctctg ttaatcattt tgctgattgg 180
 acttgggagg agttcaaaag acacagacta ggcgctgccc aaaattgctc tgccactctt 240
 aacggcaacc acaagctcac tgatgctgtt c 271

<210> 46034
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040326H1

<400> 46034

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 cggtagcaggt tacgatctat cggtcaccac tttctccctt gatggccgcg ttttccagat 120
 cgagtatgcc gctaaagccg tcgacaacag cgggactgtt attgggatca agtgcaaaga 180
 tggggttgtg ttgggcgttg agaagcttat tccgtcgaaa atgatgcttc cgggttccaa 240
 tagaagaata cactccgttc atcgtcactc tgggatggc 279

<210> 46035

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040327H1

<400> 46035

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 aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact 120
 accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt 180
 gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa 240
 cttaaggctg agcgtgaaag agg 263

<210> 46036

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040329H1

<400> 46036

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 gacttctctt ttggtaccat cagttcaaga attggctaaa gaaaagatat ctaatgttcc 120
 acaaagatac attcaacctc aacatgaaga agacattgtg atcctctctg aagaagctaa 180
 tagtagcctt gagattccag ttattgacat gcagagcttg ctttctgaag aatctgggag 240
 ctcagaattg gataa 255

<210> 46037
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040330H1

<400> 46037

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 tggcaccatc cgcaaaaacg gttacattgt catcaagaac aggccatgca aggttgtgga 120
 ggtttcaact tccaaaactg gcaagcatgg acacgcaaag tgtcactttg ttgcaattga 180
 catcttcact gggaaaaagc ttgaggatat tgtcccatct tcccataact gtgatgttcc 240
 ccatgttaat cgcattgact accagctcat 270

<210> 46038
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040331H1

<400> 46038

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 cagatcttcg agaaatatgg aaatactgac attgaggggtg ttgattcaac taatgcatgc 120
 tatggaggaa ctgctgctct gtttaattgt gtcaattggg tggagagcaa ttcattgggat 180
 ggacgctatg gacttgttgt ctgcactgac agtgcagttt atgctgaagg gcctgctcga 240
 cctactggag gagctgctgc tattgccat 269

<210> 46039
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040332H1

<400> 46039

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 caccatgaat attaattcac ttgcccggaa agccctggtc aatgcagatg gtattataga 120

gaaaacattc ttgtgggga ggtactctat ggaaatgtcc gctgtcattt acaaggactg 180
 ggttttcact gatcaagcat tacctaataga tcttgtaaag agaggagttg ctgttaagga 240
 cccatctgct ccccatggag ttcgtctttt ga 272

<210> 46040
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040333H1
 <400> 46040

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 tggctcccg cgcagttcct cgccgacgac gacgttttgc cgacaccctt tgaagcaaag 240
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<210> 46041
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040334H1
 <400> 46041

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 ctccccgcgc ttctacgccg cctgcaccgc cgggtggaatc ctcaagtgtg gcctcactca 180
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<210> 46042
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040335H1

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<400> 46042

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 tctgtacaac gttctcttca cccttgcgct tatgtacctt aaccctcttg gaaagacaca 180
 agcaattatt tctgaggaag atgcaagtga aatggagtct ggaggagaca ccaatgaaga 240
 acccagactt gtaaggcccc catcaaacag agaatcaatg c 281

<210> 46043

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040338H1

<400> 46043

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 cttgaaaaaa tccccggcaa caacgacacg cacgtttctt actctcagga tcgctacatc 180
 ttccatgtta aacgcaccga tggactcacc gttctctgca tggccgacga caccgccgga 240
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<210> 46044

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701040306H1

<400> 46044

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 cgtcaacact taagacccaa gtgtaaatga agaaagtggg ggtgaagttg aatttgcacg 120
 atgacaaaagc aaagcaaaag gccatgaagt cggactctag cctagcaggc atcgattcta 180
 tctccatgga catgaaggag aagaaactga ctgtcgtggg tgaaatagac cctgtcgatg 240
 tggtgagcaa attgagaaaa acttggcacc cagaaattgt 280

<210> 46045

<211> 296
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040256H1

 <400> 46045

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 ccgggtctcga atcgtttccc acactgcttg cgcctcaaaa cgacgtcgtt ggagaactct 120
 ccgccgtccc atccttcgac cttccgaatt ccaacgattt cgatggggtt gtgaaagaag 180
 ctattcagat ggtgaagccc gcgaagggtta ctacgactct tgcttttata tttaaggagg 240
 gtgttatggt agctgctgat tctcgagcta gcatgggagg atatatatca tcgcag 296

<210> 46046
 <211> 293
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040257H1

 <400> 46046

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 gaacattcta tagcaagctg ccggccattg gagactacca gcagattgta aattttcagg 180
 aatcttgttt ttgtaaagta cactgttttc gttgttttat tatgtctagc ggaagcattg 240
 gaatattgat acacgctgta acctagacat tgtcataatt ctagttgtca aaa 293

<210> 46047
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701040259H1

 <400> 46047

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 gcaaaccttc atcatgatca agcctgatgg cgtccaaaga ggccttattg gcgagatcat 120
 tagcagattt gagaagaaag gtttctactt gaaaggtttg aaacttgta ctgtggaccg 180

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tccttttgct gagaagcact atgctgattt gtctgccaag cttttcttta gtggtttggt 240
ggattacatt atctctggcc ctgttggtgc catgatctgg ganggcaaga atgttg 296

<210> 46048
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: 701040260H1

<400> 46048

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tagtgattcg gaccctttgc tccataacca ggaggaggag gaggaggatg agtcaccggg 120
aagctctggt gagatcaaga atgaggaaga agacgttgag gctggattac tcccctgttg 180
tcgaatttgc ctcgaaagcg a 201

<210> 46049
<211> 60
<212> DNA
<213> Glycine max

<223> Clone ID: 701040264H1

<400> 46049

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<210> 46050
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701040265H1

<400> 46050

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ttatgatatt ctcggggttt ccaaaaatgc cagtgaagat gaaatcaaga aggcctatag 180
aaaggctgct atgaagaacc atccagataa gggaggagat cctgaaaagt tcaaggagtt 240
aggtaagca tatgaagttt taagtgatcc tgagaagaaa gacctgtatg ac 292

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<210> 46051
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701040266H1

<400> 46051

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accatgccgc ctattagttg gtctgatata tcttactata aggatcagat tctacccttg 120
atacaaaagt acaaagttgt tcatttaaata agaactgatg ctcggttagc caataatggt 180
caaccgctgg agattcagaa gctgcgttgc cgagttaatt ttagtggtct gagatttact 240
tctcagatag aggagttggg cagaaaggtg atcaggcttc ttaggcaaaa ggg 293

<210> 46052
<211> 296
<212> DNA
<213> Glycine max

<223> Clone ID: 701040268H1

<400> 46052

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tatatagtta gagagagaga atattataca gagagataag tgcaataatg gagtgttgta 120
agaggggtata tgagtgggta tgcaattcaa aatcatactt gataatattg agcttgcaat 180
ttggctccgc cggcatgtac cttatcacca tggatgctct caataagggc atgagtcatt 240
atgtgtttgt cgtttaccgc aatgtcatcg ccactattgc tcttgccct ttcgca 296

<210> 46053
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701040269H1

<400> 46053

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gggcttaca ggggaatggta tcaattattg tccagagtta tttttgataa aggagcactg 120

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ctttttacta cagtgggcaa tgaatcaaca tttcagccta accctaactc tgtttatcaa 180
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ggtcaactct ggatgttcac tttactcggc cattctacaa gcacattctt g 291

<210> 46054
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701040270H1

<400> 46054

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aaatccacca agcttgaacc ccggtggagg agttgggcat gtggacaaag tgggtggtgt 120
tgattcctat ttcactggat ctctcactc caaactcgct gttcttatgc tctccgatgt 180
ttttggatat gaagcgccaa atttaaggaa gcttgctgac aaagttgggg ctgctgggta 240
ttatgtagtt gttcctgacc tcttgatgg cgaacccttt aatcctcaga att 293

<210> 46055
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701040271H1

<400> 46055

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aaaatggcgc agctggcggc ggcagcagca gcaacaggag cagcagtaat cgagcaagtg 120
cagtgcctcg ggcggaagaa gacagcgaga gcagtgcact actgcaagcg tggtcgaggc 180
ctcatcaaga tcaatggctg cccgatcgag ctggtggagc cggagatcct ccgtttcaag 240
gccttcgagc caatcctcct cctcagccgc caccgcttcg ccggcgtgg 289

<210> 46056
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701040272H1

<400> 46056
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 atttcatgcc gttgttcttg tctcgacgc aatcgtgccg gcgacactgc aattccggcg 180
 ccgggaatgg gctttgagcc gccgccgat aacactgtgt tgaatttagc taagctaggg 240
 tttcggttgg atttcggatt cgcaggtctc tctcaactaa ttaattaacc gatt 294

<210> 46057
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040273H1

<400> 46057
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 ttggcttcac tgtgatcctg gtccactgtt taagccagaa tcttatccct tacctggatg 180
 tatttctcac tggttttctt ggaaagagat atcaatccta ccaattcaat ggcattcttt 240
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<210> 46058
 <211> 76
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040275H1

<400> 46058
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 tctcattaag atttac 76

<210> 46059
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<223> Clone ID: 701040282H1

<400> 46059

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aggctctgtc aacgaacgtc ttcattttgg gaagattgga tatggatgca atcattacag 120
gagcagatgn aggattcgtg ctccctgctg ctacgacatc tactcatgct gtcactgtca 180
taacgtggcc gcgagcttgt tgaagaatcc ctttgatcgc cagcagctcg ttcgccaaga 240
tggttaaaca gttatttggt cagtttgtga cactgagcaa cctgttgctc 290

<210> 46060

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701040289H1

<400> 46060

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gggctccttg attgttccag gtgaacatga tcacaaacta aagcttggtt ctcttccctt 120
tgtatcaacc agtcacctca ttcccgtagt agacatagct aggctctttg ccattcatgg 180
tgttgatgtc accataatca ccaccacagc cactgccgcc attttccaaa gctctatcga 240
tcgcgaccgt gaccgcgggc acgctattag aaccacggt gtcaagttcc 290

<210> 46061

<211> 291

<212> DNA

<213> Glycine max

<223> Clone ID: 701040290H1

<400> 46061

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cgttgggagc gaacaagttc cccgagagac agccaattgg gacggcggcg cagagccaag 120
acgacggcaa ggactaccag gagccggcgc cggcgccgct ggtagaccg acggagttta 180
cgtcatggtc gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctct 240
acatcactgt cttaaccgtt atgggagtcg cgggggctaa gtctaagtgt a 291

002220 032200 0953113

<210> 46062
<211> 297
<212> DNA
<213> Glycine max

<223> Clone ID: 701040291H1

<400> 46062

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ttttacttca aaatcagtgt cttaatgggt gaacagtatc acccctacgg gacccttgca 180
atccgcgtcg atcacgcccg ctcccacatc gatcgagtgc ttccatgata atccagatcg 240
cggtgctgaa aaacaaaaca aaacggggag atttaaagtt agcccctcgg ctgggaa 297

<210> 46063
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701040301H1

<400> 46063

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gtcaaggcca agatccagga caaggaagga atccccccgg accagcaacg tctcattttc 180
gccggaaagc aacttgagga cggccgtacc cttgctgact acaacattca gaaggagagt 240
actcttcacc tcgtcctccg tctccgtggt ggcattgcaga tcttcgttaa ga 292

<210> 46064
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701040302H1

<400> 46064

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tgattctgag atggagagaa ttattgctga aaggactagg gaagagaatt agtggaaga 120

gaggttcttc tagaaagaag ggggatttgg atgatgatgg atccgacaaa cattctggca 180
agaggagaaa gagaggtagg tcaaagaaga ggagtgcata gaggggaagt agtgattcgg 240
atgattcagg tgaagaaaga aggaggagga agagaa 276

<210> 46065
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701040303H1

<400> 46065

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ccgtaagcag cacggcacaac tcgcaacgca agagattaat aatcaatttg catcgatcga 120
tcgatcgttg gttagggtttt tgttttgggg gaatatgggc gagttaactc atgcggagggt 180
gtactcgctt cggactcagc aagtgtggag ggcactgttg agttggttgg ccttcttctt 240
tcagatcttc ttccagatta taagagcctt aggtcactac cctc 284

<210> 46066
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701040304H1

<400> 46066

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tgttccaatc tactcatcct tgtgctgcct tccatgctgc ctcaagagcc atatctggtg 120
gccccattta catcagtgac acagttggga accacaactt tgagctgctt aagaccttgg 180
ccttgccaga tgggtccatc ctcatgtg agcactatgc actcccaacc agggactgtc 240
tctttgctga ccctctccag gatggcaaaa caatgctcaa gatat 285

<210> 46067
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701040305H1

<400> 46067

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aatcttcata cgtgtcttct cccgaggggc cgaggaagca cgctgcatcg cctcctccga 120
aatcgcttc gctagattct gaggagaagc caacatacat taggtttcta gtatcaaact 180
ctgcggtggtg tttagttatt ggaaagggcg gttcaactat cactgatttt cagtcacaat 240
ctggagcagc aatccagttg tcacgtaatc atgaattctt tcct 284

<210> 46068

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701040255H1

<400> 46068

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ttcttttaaag gaattctcaa tcttttagcta cattaagcgc aaatgagatt ccctaattccc 180
acgtgaatcc aatgatgtca aaagagcatt aaaggcctct tcagaatcaa taagcctcca 240
cttgccatca tgatattcaa caaagatcct gcctgaacca ggatcattgc tagaa 295

<210> 46069

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040220H1

<400> 46069

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tcgtcaccga cgaagacgat gctcccaaac ctcaccgtct cagcctctcc ccggcggtt 180
caacggcgga caagtctgct cacctcattc ctgtcctcac tctcctctgc ttcttcgtcc 240
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<210> 46070

<211> 297
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040222H1
 <400> 46070
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 aacgctttcg acaatcacat ggacgctaag cgtacgcttc gtgagattaa gcttctt 297

<210> 46071
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040224H1
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 cctgtacccc cctagccact gaactggaaa agtccaactt caaggatgag taagcttcag 120
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 aaatttgtgg agaccattga actccaaatt gggttgaaaa attatgatcc ccagaaggac 240
 aagcgtttca gtggctctgt taagttgcct catattcctc gcccgaagat gaagatttgt 300

<210> 46072
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040225H1
 <400> 46072
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 ttgacactat gtttcagccg aatttttccg gcaatcttga acgctgctgt tgatctgaat 120
 ttgtttgata tcatagacaa ggcagagagt tcaactttgt cagcctctga gattgcttct 180

ttgcttccaa atccacaccc tcaattggct aataggcttg aacgcatatt gccggtgttg 240
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<210> 46073
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: 701040226H1

<400> 46073

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gtcaaaatcc ttaggcaact ttttcactat tcgccagatc actgagcgtt accattcact 180
tgctttgagg cactttttga tcagtgccca ttacagatct ccactaaatt actcaatttc 240
acagctggag aactcatcag atgctattta ctatatattt cagactcttc aagattgtaa 300

<210> 46074
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: 701040228H1

<400> 46074

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gaaaacctca gagattatta catgcaaagc tgcaatttgc tggggaatag gaaaacctgt 120
gactgtggaa gagttacaag ta 142

<210> 46075
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701040233H1

<400> 46075

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atccttccag ttgggggttct tcgctttcag cgaagagcgg tgtatataga aaccctattc 120

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cccctatgca ccaggggaat tgaatataga aataagacaa aggcaaaaaa acaccaggtt 180
 gaaaaagttg tatgttaaata aggtaattct gttgtttttc gtgtttctgg actcaggagc 240
 tgagctgttt ccagggcaaa gcatgtacag tatgaactct aaatgcagtg ctgg 294

<210> 46076
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040234H1

<400> 46076

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 gaggcacagc tatgccacca aatccaacca acacagggtc gtcaaaaccc ctgggtgggaa 120
 gctcgtttat cagaccacca agaagagggc cagctggccc aagtgccccg tcaactggcaa 180
 gaggattcag gggattccac acttgaggcc tgcagagtac aagagatcaa ggttaccag 240
 aaaccgtagg actgtcaacc gtgcatatgg cggagttttg tctcgacatg ctgtcaggga 300
 gaggattatc 310

<210> 46077
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040235H1

<400> 46077

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 aaaatttggc caacaagagt gatttgcttc tcaaatacaa tccagttcac aagaaagttc 180
 cagtttttat tcacaatgag aagcccatag cagagtctct tgtgattggt gagtacattg 240
 atgagacatg gaagaacaac cccatcttgc cttctgatcc ttaccaaaga g 291

<210> 46078
 <211> 289
 <212> DNA
 <213> Glycine max

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<223> Clone ID: 701040236H1

<400> 46078

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tggagtgatg cagttcctca acctattcca gcagtacctg gtgtcaactg gggggcacct 180
gcagaagcac ctgctgctgc aggaggagat tggggggaag ctgttccacc accacaacaa 240
atccctgtac ctccctctgg aattgatact gtccaccatc tggctggga 289

<210> 46079

<211> 298

<212> DNA

<213> Glycine max

<223> Clone ID: 701040237H1

<400> 46079

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gacgacaact tcaagggcac ccggtgggccc gtctctctcg ccggttccaa tggttactgg 180
aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240
aaagaagaaa atattattgt ttttatgtat gatgacattg cattcaatgg ggaaaacc 298

<210> 46080

<211> 296

<212> DNA

<213> Glycine max

<223> Clone ID: 701040238H1

<400> 46080

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agaggaagcc ttgaagagaa ctttcatgaa taggtaataa gaaaaattca cttgtgtttg 120
gttgggccga gagatataag gtagcagtag gtgttgctga ggctttagat tatctgcatt 180
ctaaagatga tcaacctgtg atccatcggg atgtgaagtc atcaaagtga ttattatctg 240
agaattttga accccagctc tctgattttg gactggcaaa atgggcatca accttg 296

<210> 46081
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040239H1

<400> 46081

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 attttgatcg cgcacgcgct ttgagataga tcatgctgcg tttgtgctac ggccctctgg 180
 attgctgctt cggacgccgt ggtggccgcg ccgccgacgg acttctctgg cacaccgact 240
 tgaagcccca cgcctccggc gacttctcca tcgccgtcgc ccaggcgaat tacagtct 298

<210> 46082
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040240H1

<400> 46082

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 tgaagtgaat tacacacgca tggacgagta cctaaaaatt tatgtgtaaa aggaactcat 180
 tcagtaggag ttcaagtatt caaacaggaa cacggttttt agctacaata accttaattt 240
 aaggagatga ttttgtgctt ataattcgat ggggaaactg gatttttcgg at 292

<210> 46083
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040241H1

<400> 46083

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 atgcagctgc tgtactgttt tgggttcata tttttgctat attctcaatg gcaggatgga 120

ttattctata tctaaacata ctcttctgag actgtatata gcaatttgat ccaattcatt 180
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 cagatc 247

<210> 46084
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040242H1

<400> 46084

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 gcactaacat cttgcagcca caaaaatggg cttctttctg ttaccaaaag caactccttg 180
 cattttgttc ttggctctgc tgtcttgtag ttgctttact tctacagatg cttatgatcc 240
 actcgacca aatgggaata tcacaatcaa atgggatatt ataagttgga cccca 295

<210> 46085
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040243H1

<400> 46085

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 cttttcacct attcatocca agcattcgac aatgtctccg ttctcgaagc tcttgtttct 120
 gatactgatg gtgttcgtct catccgcgat cgcctccgac gacgaaagag tgagcgaatt 180
 ggtgtccctg caatcgagat ccaaatcggg cctaatacgg ctgaacgacc aatccctggc 240
 ccgcttctc accgcctga aaaccctcg cccttactcc atctctctct tcttc 295

<210> 46086
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040244H1

[illegible]

<210>	46087
<211>	295
<212>	DNA
<213>	Glycine max

<400> 46087

<210>	46088
<211>	295
<212>	DNA
<213>	Glycine max

<400>: 46088

<210>	46089
<211>	295
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701040253H1

<400> 46089

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tctttctgat cattgggtgt tcttttattc tttcaaatac attccaaaat ctcttgga 120
ttgcgagatt cactgcttat cctagcagca gattttgggt tctgacccaa ttattcattt 180
tccccaaactg ggtcttggtg attttttgtt ggggttttaa atttcgtgtt gctgggtttg 240
aaagtatttt cctttcttcc ccgtctggat tcaactccca agtatttgct ctaat 295

<210> 46090

<211> 297

<212> DNA

<213> Glycine max

<223> Clone ID: 701040218H1

<400> 46090

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cttgttcctt cttcagcttg gatttttggc gtaacgagga aggggttatt gttgagaaac 120
cctagcctaa acctaaacca tggcgcatag gttgctgaga gaccacgagg ccgacggctg 180
ggagcgctca gatttcccca tcatctgcga atcctgcctc ggcgacagcc ctacgttcga 240
atgacaaaag cagagtatga caaggagtgc aagatttgta cacggccatt cactgtt 297

<210> 46091

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701040173H1

<400> 46091

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cactctgcct tactcactct ctactttgct catcatcgta gatgaaccaa cacttctagt 120
ctctcttact ttataaccat gtaaaaatga gtcacctaata gaaaaattag tagcttcttg 180
ttgtgctttt tattttgttt gtgttgagat aaatttgttt gtttggttgg tattgtaatg 240
tgccttatga att 253

<210> 46092
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040174H1

<400> 46092

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 gttgctgagt gatgagtctt gaaacatgaa gcagaatgat cggcgaaggg agtgtttgtc 120
 taattcgaat tcagaaagtt gttctttctc attgatggga agagaaaccc ctcagaattt 180
 gttaccttcc aaacacgact tccccagact tgtccttggtg gttggactcg catcgctagt 240
 tgcttggacc tgcaactt 258

<210> 46093
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040175H1

<400> 46093

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 tgtctgattt ttgagtaatt gatgcaattt ttgttgctct gcaaagtgtc caataaaacc 120
 tatgcctttt cttttttgcg aaattgggtg cttttgtcct atgtttcgga aaccatccac 180
 attaatgtaa tctttttttt ttttttacct taataatact ctaatcttgg gtcggaagca 240
 ctgtttaaat ttt 253

<210> 46094
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040176H1

<400> 46094

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tgcttttattc attcaccctc gttcgggtct gtttcctttt cctaaaccct acaagcaagt 180
 accaataata ttaggtgatt ggtatgacgg taatgttgat gatatttattc agcaagtact 240
 gcttctcggg ga 252

<210> 46095
 <211> 254
 <212> DNA
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<223> Clone ID: 701040177H1

<400> 46095

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 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
 aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240
 agaagacctt catc 254

<210> 46096
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040178H1

<400> 46096

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 aataaagctc ggaatttaatt tggggaattg tgggagaaga caaaggagga aatcatacac 180
 aatgccggag ttcccctcga gctcgaagtt ggaaaagggtg ccaaatagcg agagaaagag 240
 tggttctttg gt 252

<210> 46097
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040179H1

<400> 46097

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gatttcaatt ctacaggctc tcaccgatcg ccagatctct aagcaccgct cttgttttca 180

tcgattaaat aacaaacaaa aattggctca attttatttt aacatcctaa ccaaaaacaa 240

acttttcacc cgatt 255

<210> 46098

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040183H1

<400> 46098

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ccacgtgcct actcaagatt gggaagtaac gcagatgcat ctgcagaact attcaaatac 120

ggtgtagtgg atgtagaata cagaagggc ccctgtagat acggtggcta taacctcttg 180

gttaagggtc atgaacagag cagaaaccct cactacttag ccattgtcat tctctatctt 240

ggtggaacct acgacgta 258

<210> 46099

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040184H1

<400> 46099

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tggtcggggg ggaggaagaa actaaaacat gatattaact aaggaatttc actcttcgtc 120

tctctcatag tactttctct ggtgccaaga agacggcagt ttgcctgcac tcgctcagtt 180

cttagagcat gaattcagca tccccgcagt ttgtttcttc aagaaggatg agtgtgtacg 240

atccgatcca ccaga 255

<210> 46100

<211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040186H1

 <400> 46100

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 agtgaatggc atatcgagcg aagatctagc ttcggcactg aatccccctt agcaagagat 120
 gcaggaaatg tgcctgacac tgggtcactc tctattgttg tgcttggcgc ttctggggat 180
 cttgctaaga agaagacatt tctgcactt ttccatctat accggcaggg attcttacca 240
 gcagatgaag ttca 254

<210> 46101
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040187H1

 <400> 46101

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 ggaattcccc cggatcagca acgtctcatc ttcgccggaa agcagctcga ggacggccgt 180
 accctcgccg actacaacat ccagaaggag tcaacccttc accttgctct tcgtctccgt 240
 ggtggatgc agatctt 257

<210> 46102
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040189H1

 <400> 46102

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 agatctaggt ctaggtcaag atctaggtcg aggtctaggc ctagacaaag gccaagatcc 180

cgttctagaa gtcattggcag gtcaagatca ccaattcatg gaaggtcaag gtcacccatt 240
catggaaggt ccgagcctt 259

<210> 46103
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 701040190H1
<400> 46103

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gagtgcatt ttgagtggaa accaagatgg ccaatttttc aagtcactac ggaatgttgg 120
tgtctctctt gcttacgtgg atccaaatcc aagccaaggt gttttgctac caatacaaaag 180
ttggagatct agatgcttgg gggataccct cctcagaaaa tccacaagtc tacacaaaaat 240
ggtccaaata tca 253

<210> 46104
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 701040191H1
<400> 46104

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gctggatcca gattgagaag tgtgacaaac tctctaacag taaggatcca gcaaagctgc 120
gcagtgtaat aatttagagt ttcttttact tgcaaattgt tctgataaat tgcattttcc 180
cggatttttag taaaaacttt cattgggaca gtttagttca ctgtttgtgt caactgtaca 240
ggcatttag 249

<210> 46105
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 701040192H1
<400> 46105

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 acgctccccg accaccacca tctactccct ccgcccgcgaa cccaccccca ctcccactct 120
 ctctcctctc cgatgcgata cccacacactc tcttctctcc ccttcggttct catcaacaac 180
 atgcagagac agatttggtg ctacgaacc caaatctgtc ttcttcttcg ttgttttaat 240
 ttgtatttca tt 252

<210> 46106
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040193H1

<400> 46106

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 gatttctaag cttgaaaaat acatctagta tgatttgatt tcagctgcta agaggcagag 180
 tccattcttt taccaggtat caagaacgca catgacaaat gatctcttta tcaaggaagc 240
 tgtggccaga tac 253

<210> 46107
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040194H1

<400> 46107

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 ggaaatccac taccactggg cacctgattt acaagcttgg aggcattgac aagcgtgtta 180
 ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240
 tgctggacaa 250

<210> 46108
 <211> 255
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701040195H1
 <400> 46108

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 tctcttctct caacatcttc atccaaacaa tttcagccca agtagcacgc gcaccagcgg 120
 gaccaccaa catcaccaa gtgcttgaga aagcaggaca attcacaacc ttcacaaac 180
 tctcaaagc ctacaaaata gctgatagaa tcaattcaca gctaaacaac tcaaaccaag 240
 gcctaaccgt gtttg 255

<210> 46109
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040205H1
 <400> 46109

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 ttctttttta tttttttag agagagagag agagaaaatg ttgggggatct tcagcagttc 120
 agtggtgtcg ccgccggagg agctgggtggc cgctggcagc agaacgccgt cgccgaagac 180
 gacggcgggg aagctgctga accggttcgt ggagagcaag gcgtcggcgg tgcgctgca 240
 ggtgggggaa cacgtgcagt tggcttacac acaccacaac gaatcacctg ggcattccag 300

<210> 46110
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040206H1
 <400> 46110

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 caatcctctt gtgttctttc ctttcttttg tttgtgcaa cgtctctatc caacaaacat 120
 gcaagaattg ctcaaaaaat gaccccaaca taagctacaa attttgcgtt acatcattcc 180
 aatcagacca taggagccac tacgcaaaa acctccaaga actaggacta atctccatca 240

agataacaag gcacaacgtg acggatacta atgctcatat caatgagctt ttgaagaaa 299

<210> 46111
<211> 297
<212> DNA
<213> Glycine max

<223> Clone ID: 701040207H1

<400> 46111

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cctcctcctc cccctcgcc gtcggcaccg acgacgactc cgacgcgggc gtcaccacc 120

actccccgac gcaagtcctc aaaaacttca acgagattcg cctcctccgg atcgagctcc 180

ccagcggcga gctaggcatc gaagacggcg tgctcctcaa atggcgcgcc gatttcggat 240

caactctcga caattgcgtc atcctcgggc cctcctccgt cttccacccc aaagaca 297

<210> 46112
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701040210H1

<400> 46112

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atcgaccaca ccggaagta cagcggcgac tccgagctcc aattggagcg catcaatgtt 120

tattacaatg aagccagcgg cggaaggtac gttccacgcg ccgtcctcat cgatctggag 180

cccggcacca tggactccgt cagatccggc ccctacggcc agatcttccg ccccgacaac 240

ttcgtctttg gccagtccgg cgccggcaac aactgggcca aaggtcacta caccgaaggc 300

g 301

<210> 46113
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: 701040213H1

<400> 46113

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 ttcgtttgtg caagggtttaa aaagatggct ga 92

<210> 46114
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040217H1

<400> 46114

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 cactagtttt tgtgtcatca ttggtagttt taggcctagg gttgtgtcct tgataccgca 120
 tgtagcgtcg gatttttagga atcactctac atcagttgat tctaattgcta atgacacgag 180
 ctttgagaag attttcattc aaagcagctt gaatgtcaag ccattgataa ttgaaagaat 240
 tgagactgat caaagtaa at tggaggaagt cgctgaagaa agatgtgacg agtc 294

<210> 46115
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040172H1

<400> 46115

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 gatgaggaaa actcctccac cgtggctcgc gcaacactct acaaagctct gacaaaagat 120
 gctgacacta tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga 180
 aatggaggac ccggaaccgt caagaagata acagctagtg aaggtgacca aaccagtttc 240
 gtgctgcaaa aagtggatg 259

<210> 46116
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040141H1

<400> 46116

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 ctaatgattc ttttgttctg tttcattggt tgcttgttcc ttaaagatct caaaggggtcc 120
 acaatcgcac aatttgtgaa ctgctcacgg gataaaatgg aatgcccttc aagttggata 180
 tccacaaaca catagatctt gtattctttg tagtatattt aataggacat tgagttatcc 240
 actcaccac cacaacacat 260

<210> 46117
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040142H1

<400> 46117

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 ttttgttcca agtgtctgaa cagtagtttag ttaaaatgta tttgaaattg tgccaaaatg 120
 tagaagaaat tattttaaat cattttcttcg tttggataga aagattataa gtgaatcttc 180
 tagctctcga cagtttttaa tttctattga tccgggagca taatcttgca cgagtactca 240
 accatgaaat atcgattgat t 261

<210> 46118
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040143H1

<400> 46118

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 tgcttttcct ctctccgacc cgccgccgcc gccgacatcg tcgcgtctcc tccgccgcag 120
 ctcccgccgt tcgatcacca gccgcaccct tacaacggtc ctttcgccga tgaagtcctc 180
 gccaaagcga aaacgttcct cggtccttcc gtcttccact actataagac acctctgaat 240
 atcgtggaag ggaagatgc 259

<210> 46119
 <211> 252
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040144H1

<400> 46119

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 cttgggtccac ttgggtacca ttcccatcac aggaactggc attaacccag ctaggagtct 120
 cggagctgcc atcatctaca acagagacca tgcattggat gaccaatgga ttttctgggt 180
 tggacctttc attggagctg cccttgctgc tgtgtatcac cagatagtca tccgagccat 240
 ccctttcaag ac 252

<210> 46120

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701040146H1

<400> 46120

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 cttcctttgc atgtctttcc tctctccgc aactccatt ctcggttggt gctactgggg 120
 aaaaccccca aaagggcaaa cctcggttaa caccacagta cccgttggtta 180
 agccaccagt cacaatccct ccattgtta atccaccagt cacaatccct ccattgtta 240
 atccaccagt gacagttcc 259

<210> 46121

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040147H1

<400> 46121

gcagaaagta cagccgggaa tgaatcaacc aattccacaa tttgtgatga agtctgccag 60
 attaaatcat ctcttctaga gggaatttta gtgggtatag ttttgctaata aattttgata 120
 tcgggccttt gctgcatgat gggaattgac accccaacaa gatttgagac gccacaagag 180
 taatgatcca tttgctgaag ctaataaatg ttgtgatgct ctcggtctac tggattaaaa 240

tattactgct atattatt

258

<210> 46122
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040149H1

<400> 46122

gtttgtagta atcatcaact cactcagttg ccgttgtnTG tcgtgatcca tcacaacact 60
ttgtcactga aattcagaaa aatggcatca gcaatgtttc gtaggaacat catcacccac 120
tactccaagt ttgtttcttc tttgtcttcg ttgcctcgcc attcctcaat ctacaaccct 180
ctctctatgt ctgtttcttc atttcatagc gaaagtgttg gtgggtggtg tgggttccca 240
tcttccatgc gtggagctgt g 261

<210> 46123
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701040151H1

<400> 46123

cattgcatct cagaggccaa ttctttcgcc gcttcttctc tctttccaac gtttccccct 60
gtgggtgttct cgtgatgctg gtaacaatat ggttggtgac gctttgaatg aggatttgag 120
aatcaacgga gcagttgaac cgttgcctga ggactttgat gcaacagctg taatcataga 180
tcccgtgcct ttggcagttg tagacaatgg cattgtcaag gaggaggcgc agatcattaa 240
aggaaaagag actagagaa 259

<210> 46124
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701040152H1

<400> 46124

tgcaacacca gcatccatgg caagtaggag gtgtctgcga gcgtaacgc aaaacacgac 60

accgtttctc ttccgaaacg catcctctct ccgctcactc accgtgcctc cgtttcccaa 120
 cgccaacgct ttttcccccg ttttcaccgt acgcgcctct gtcttcgcgc aatggcccca 180
 cctccgctat ttctcttccg agaaaaaaga cgaccacagc gacgaagacg atgatggcga 240
 tgaggattac gatgatgaag 260

<210> 46125
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040153H1

<400> 46125

acactcttct atattcctag tactttgaag agatattgaa ataaacaaca atggccaatt 60
 ccatgagctt tttcctgctt ctttcttttc tagcttttgc tcccttggtc ctctgtcact 120
 ataaccaaga gggttacctc taccctcagt tttatgacta ttcattgcca caagctcaac 180
 atattgtcaa gtctgtcctt gctaagtatg ttgcagagca acctcgattg gcggcttcga 240
 ttctcaggct tcaattcca 259

<210> 46126
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040154H1

<400> 46126

tggaaatatt gccttctact ttggtccttt tcattttgag gaagcttcct cccaagcgtg 60
 gtatcactca atatcaccca attcgctgaa aagattagca tatggagaaa atttagtcag 120
 gatttctga gtgcattgctc ctctgctttc tttgatgttt ctctccctc cgcaaggata 180
 atttctagag gacagagaag tcggtctttc ttctgttgag tgacaaagct aatatcattg 240
 tcttaaagtt ctcataagg 259

<210> 46127
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040155H1

<400> 46127

gctttacagt gtttctcttc cttctctcttc ttcttcttct tcttcttctg tgaatcgcca 60
 ttgttctgtg cgagagaaaag aagagagaga tcgaaaatgg cgttggcttt cgacgagttc 120
 ggaaggccgt tcataatcct gaaggagcag gagcagaaga gcagactccg aggattggac 180
 gctcagaaaag ccaacatctc cgccggcaaa gccgtggctc gcatectccg aacctccctc 240
 ggccccaag gcattggacaa 260

<210> 46128

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040157H1

<400> 46128

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 cagttttcaa tttttcatcc tatcctgtct gaattttctc tcttaataata tataacttac 120
 atatgaaggt agagtgatat catgaagaag caagtctgag tacaagtttc ataaaaagag 180
 gagttacctt tgtatcacta gttcaaagtt caccttctca gaagctacat agatacactg 240
 atggagaagc ttgtaagg 258

<210> 46129

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701040158H1

<400> 46129

ccctcgtggc cacacgagct ttaccactac tagggcgcca aaaccactgt tcttagcttc 60
 tgcattgtgaa gtgaattctt ccaatgcttc cttttctcca cggtagcat gaataacaac 120
 aattgctggt tcttgtaatt attattattg caattccatt ttgtgacttc cctgttgctt 180
 gttaattagt gtgaccaga tggtgttttg agtatttgtt tggagattca ttcagtattt 240
 tgagagattt gtatgataa 259

<210> 46130
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040159H1

<400> 46130

cacattttcca aaccctctaaa ccctattctc tcttcaatgg gaagcaacca agccgccatt 60
 tctttctctca ccaacgtcgc ccccgcgggc ttcggccttg gcgcggcggc caccgccctc 120
 tcttctctccc tctacaccgt ggacggcggg cagcgcgccg tcttcttcga ccggttccgc 180
 ggtctctctgg actccaccgt cggcgagggg acccacttcc tgggtcccatg ggtccagaaa 240
 ccctacatct tcgacat 257

<210> 46131
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040160H1

<400> 46131

cttcacacaag gtatggggac ttttttgatg gaaaaactgc cagcttgtgt gtgcgtcgtg 60
 ctgtttatta tgatcctgag acaggaaagg aagatccttc caagaatggc attttagca 120
 attttttgatg taactcaaag ccaggagaca aaattcagat cacaggccct tcggggaaga 180
 taatgctttt gcccgaggat gacccaaatg ctacccatat aatgattgcc acaggcactg 240
 gtgttgctcc attca 255

<210> 46132
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040161H1

<400> 46132

atgggttctt cttctattac aacatcgccc gcaaccatga ccatggctgc gatcgtgctc 60
 ctgttcacgg tctttgccgt ttcctccgcc ctagacatgt cgataatctc gtacgacagc 120

gcccacgcgg acaaggccgc cccgtttcgc accgaggagg agctgatgtc catgtacgag 180
 cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga gaagcgcttc 240
 cagatcttca aggaca 256

<210> 46133
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040162H1
 <400> 46133

gattaatctg aacaagttgc gtgtccctgc tgtcactgct ctctgagcaa aaccagaagt 60
 acacatcaat ccaaccctgc caaaatcaat cccagatac cattccccctt cccataacaa 120
 agacaacca atcattgttt gttcacatcc gaatccacaa aatactgtta taattattct 180
 gattcacgaa acacaggaaa acccgaatct ctctctttgt tcctctcggg gtcacgaaaa 240
 tgggcacaga gacctcat 258

<210> 46134
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040163H1
 <400> 46134

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 atttagcttg cacatactca agcattccac cattgtggca aagccaaggt catttttagac 120
 tccaccacat gatcatgac atatgatcaa tccccttaat tttttctttt ttcttttccc 180
 ttttctttac tctgtattgt atcaatgctt gaaaatgggg ttgttccaaa aatgtcatat 240
 atatttggcc tgctaa 256

<210> 46135
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040166H1

<400> 46135

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 gttgctttga gtttgaacct tgaatctatc aatcaatcaa agtgggtggt gactcatgga 120
 agtgaaagga ctaagggcaa gcaactccac caccaccacc accacaatcc aaagtgagga 180
 tgagatggac cttcgaagag gtccttggac cgtcgaatgag gaccttgctc tcatcaatta 240
 cattgccaat cacggtgaa 259

<210> 46136

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040167H1

<400> 46136

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 ttgtgggttat tggccatggt gactctggga agtccactac cactggccac ctgatctaca 120
 agcttggagg cattgacaag cgtgttattg agagatttga gaaggaagct gctgagatga 180
 acaagaggtc tttcaagtat gcctgggtgc ttgataagct taaggctgag cgtgaaagag 240
 gaatcacaat tgatattg 258

<210> 46137

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040168H1

<400> 46137

tagaaaccat ggatcagaag gatttttatg gtcgaacaat cggcgtggaa attgcaagac 60
 tgggttggga tgattttggt gcatcccaa gggcctcagg acccccaaag aagtgggatt 120
 tgccagagca aggggaagtg gtagattgct ggtactgatc aaaattcatg attgagtaaa 180
 gctgtagaag agaaaatgat ggaacaacag atatcaagtt atacaagaat ggccatacta 240
 taggattgat ggaac 255

<210> 46138
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040169H1

<400> 46138

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 cgtaagtcca caggaggaaa ggctcctagg aagcagcttg caaccaaggc tgcacgtaag 120
 tctgcaccaa ctactggtgg tgtgaagaag cccacacggt atcgctctcg gtaccgttgc 180
 tcttcgtgaa attaggaaat accagaagag taccgagctt ttgatccgga agtccccctt 240
 ccagaggctg gttcgtgaa 259

<210> 46139
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040170H1

<400> 46139

ccgaagcttt gttggcggca aggcaaactc gcattgcgat ggcgcctccg aagctcttcg 60
 tctttgcgct ttctgtaacc ctaattttcg ccatcggttg ggccgaagcc gatatttcca 120
 tcgaaggaag cactccagag cctgatacct ccgccatcag gatccaatta gatcaactca 180
 attccaagat ccaaattctc gagtctcaaa tcagcgaaaa gttggaagaa gtgaagaaga 240
 aggacgaaat tatagca 257

<210> 46140
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040140H1

<400> 46140

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 attctcggag tgggtggcgg aataattgtg ggccctggcca tcatagtggg ctctcgtccgc 120
 ggcgagaact cccggggcgc ccaacgctcc cagctcgcca ccaccgttgc cgccttcgct 180

cggatgaccg tcgaagattc cagaaagatc ttgccgcctc agttctaccc ttcttgggtc 240
gttttctctt ccagccagaa gtt 263

<210> 46141
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701040110H1

<400> 46141

tgcggcttca acctttagt tattctcttt cttctttttt agccatccct ctcttgaaaa 60
atctagatct cgttcttcct tgatctacgt tacgctttta gtgaccggat ctgtatggat 120
ctgaaccaga tctacacgcc gatggtgggt ttggcctggg acaataaatc ttccatcgga 180
gttttgctct gtatagggtc gatccatcgt tattagcgtc ttgatattgt tatattcatt 240
tgtcatatag gactttcata g 261

<210> 46142
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701040111H1

<400> 46142

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tatcgaaacc ttaaatttgg gattaggtct gagcaatctg gttggtagaa cctttgggtct 120
tagagagtca agttttatgt ctggattaga cgatcaaatt cctactgcct tcgacccctt 180
tgctgatgca aatgctgatg actcgggtgc tgggtcaaag gagtatgtgc atattcgcgt 240
tcagcagcga aatggtagga a 261

<210> 46143
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701040112H1

<400> 46143

ctgctgttcc tgcgcgtgaa caagcctcag gtaagccaaa gccatcgta agcataacaa 60
 tgttatcccc aacggacact tccgtaagca ctggcagaac tatgtgaaga cctggttcaa 120
 tcagccagca cggaagacaa gaagacgggt ggctcgtcag aagaaagctg tgaagatttt 180
 cccagacct acagctggac ctcttagacc cattgtacat ggtcaaactt tgaaatacaa 240
 catgaaagtg agagctggaa 260

<210> 46144
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040114H1

<400> 46144
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 cctacccagt gaaccctacc gcaccgaaac aaaaccctcg caaacccctaa ccctaattctc 120
 ataggaacat ggacggcgac gacgagacct cgggtccgat gatcgacgaa atctacgcca 180
 acggcggtgg cgtcggcgac gacggagaca agcggagcgc cgcgcaatca tgagcggcga 240
 ccagctcgac atcgaggcgt acg 263

<210> 46145
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040115H1

<400> 46145
 ctcacgcgaa cagaaacacg aactaagaat ccatggcgac accaacgacg acgaagagaa 60
 aaccggtggt cgtgaaggtg gatcagctaa aacctggcac caacggccac acgctgacgg 120
 tgaaggtggt cagctccaag ccggtgaaga cggtgaccac tcgcggcggt cgatcgtcgg 180
 tgctcgcggc gcgcccgtcg cgcacgccc agtgccctcgt cggagacgaa accggaacca 240
 taatcttcac agcacgcaac g 261

<210> 46146
 <211> 254

<212> DNA
 <213> Glycine max

<223> Clone ID: 701040116H1

<400> 46146

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 accactgaaa ttgggggttca tgcaaccgct gcaaagtggc tcaacctctt tgcaacacaa 120
 cttcatcatg ttcaaaacct tactgataga gtacatggaa ccaagctgca tcaaggtgaa 180
 gactggcatc acaacgagac agtcaaacac tggacttata ccatagatgg taaggctaca 240
 acatgtcttg agag 254

<210> 46147
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040118H1

<400> 46147

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 attttaggtt cttegttacg cgttgtgttg cgttgtgcgt gagaaagtgc gcgtggtgac 120
 aaagcatggc ttctcagctc ctgagacgaa ccttcggaag tcgtttcctt gcaaacccta 180
 aggcttctc ctccgtgct tccactccga tccgcgccac tctcttcccc ggctgacgca 240
 tcggccccga gatcgccgat tcc 263

<210> 46148
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040119H1

<400> 46148

gcttcagatg gtggtgttgg agctgattag gaaggtttgt aggagcaata agggggagaa 60
 cgggaagtac attaagatca ttatatccct tttgaatgct ccttcactg ctgttatatta 120
 tcaatgtgct agcacccttg tgcactctc ttctgcaccc actgccatta gggctgctgc 180
 tagtacttac tgtcagcttt tactttctca gagtgataac aatgttaaac tcattgtgct 240

tgatcgtttg aatgagctca aga

263

<210> 46149
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701040120H1

<400> 46149

agaactttgt gggacaatgc tactttggaa ttccttgaaa tgtagagtga aggagcttgg 60
ctagtatttc attgatgaaa ttatattttg cccagagctt ttaatcacia ggagtgtgtaag 120
ggaaataaaaa tataataaaaa attcagaaaa gtacaagtca aacctctcta attcatcagg 180
gtgaacatgt agtcgttccc ttcctccta tttgaattac aaattgtccg cttaatattg 240
ttctttcaat tttgctagtt a 261

<210> 46150
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701040121H1

<400> 46150

gaaatctcag tcgaagcaag caatgggcaa cgttcagtca cctcccaaca atgatcctcg 60
atatgtttca gcaaccagag cttttactca aaaggaactt gaagacttga ggtctctgtt 120
catcaatctg gcaaatcaat cccagagcaa cgggaaatac atctctccct ccgtttttca 180
gtcatatttt ggacttcatg gccctcttgg ggagaggatg tttgatttag ttactcagga 240
gcgcaaggat cagaggctaa 260

<210> 46151
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701040123H1

<400> 46151

ctaactca ttaattgcaa gaatggcact tcgttgcttg gtgatgtccc tttctgttct 60

cttcaactctt ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcattgctgt 120
 ttggccaaac actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
 tgttgaaatc gatgatcacc ctatgcaa at tgaagaaaca cagtaccgga aaaccttctt 240
 ctataaagaa gaccttcac ca 262

<210> 46152
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040124H1

<400> 46152

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 tgaacttaag aaacaaggta aatgatgtga tcttttctc tgaaaatttc ttggttatat 120
 ttgtctcata aagaaactca gatagtcca tattgtgttt acatgtcaaa tagacctgtt 180
 cagagcagcc tttctatgct tggtttaaat catacattga gtacttggtg agaatggaaa 240
 atcagctatt agtatggata 260

<210> 46153
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040125H1

<400> 46153

gttccccttc gcgtctctct ccaaacaaaa cagaactgaa ctgctgact gaaactcgca 60
 aaaattaggg ttttgcagtg atggcactgt ccaaccgcgt ccgatcggga atctctctct 120
 tcaccaa atc caggttctc actttcgagc gatccactct ccaacgatcc cttgttgccc 180
 cttccatttg ctctgcctcc agaaattacg ccaacgtgcc ggggcaaaag gaaaacaaag 240
 ttaaggtccc tctggctttg 260

<210> 46154
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040126H1

<400> 46154

agaatatcaa attggtctct tgtcttccct ctcattctcta cactactcca catagagccc 60
 agcctctcaa gcccaagccc aagcccaagc ccaagcccggt tcataaaatc ctctgcagc 120
 agcaccaggt acccagccct ctgctgtctca tccctctccg tctacgctc cagcatccaa 180
 caggaccctc accaactggt tcagacagca ctctccctct cctgaaccg cacccaagcc 240
 accaaaacct tcgtggctaa ctg 263

<210> 46155

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040127H1

<400> 46155

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 caaattgatg atacacagta cccaaaacca ttcttctata aagaagacct tcatccaggc 120
 aaaacaatga aagtacaatt caccaagcgt ccctatgcac aaccttatgg tgtatataca 180
 tgggttaacgg atattaaaga cacctctaaa gaaggatata gttttgaaga gatatgcac 240
 aagaaagaag cgtttgaggg ag 262

<210> 46156

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040128H1

<400> 46156

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 gggctcgcgc gagatcgact tcgagaacct gccgccgtgg gacgagcagc agaaccacaaa 120
 ctacaaggcc aagttcatgt gcagctacgg cggcaagatc cagccccgca cccacgacaa 180
 tcagctctcc tacgtcggcg gcgacaccaa gatcctcgcc gtcgaccgct ccgttaagtt 240
 ctccgccttc ctctccaagc 260

<210> 46157
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040130H1

<400> 46157

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 ctctccaaaa ccacctccga atccgacgtc tctgtccact caaccttcgc ttctcgatat 120
 gtcagaactt cgcttcccag gtttaagatg ccggaggagt cgataccaaa ggaggcagcg 180
 tatcaaataa taaacgatga gttgatgttg gatgggaacc caagggtgaa cttggcatca 240
 tttgtgacaa cctggatgga 260

<210> 46158
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040131H1

<400> 46158

ataggctttc cataaaccac atgttacttt taaatgccca aagcttatca agcctctttt 60
 cttgaatggg gattggcact ctttattgag gttttgacat gagaaatttt atatcttctg 120
 atttgatttg atggatattt tctgcaaaaa aaaaaacaag 160

<210> 46159
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040133H1

<400> 46159

gcggggaaga gttagtttct tctctcttcg atggaaggcg gggaagaggt tctcccttcg 60
 gccaccgcca cctccgccgc caccggcaat ccaccgctt cgctctctcc gctcgctgat 120
 cttgtcggtg ctcccgatct cgctgctgcc tcggacgacg tcgttacgca acctgaaatt 180
 cacgcgctga tttcagacga agagcacgat cacgagcatg aacatgacga tgacctcgag 240

cacgagcacg agcagcatga gcatg

265

<210> 46160
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701040136H1

<400> 46160

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cccgccagca tcatggcggc gaatttcgac gacttcaagt ggatcgctc catgttcgat 120
cccgaaacg acgacgtcaa gcccttctcc gacgcagctt tccaaaacca ggatgcagta 180
actgcatttt caacttgtgg tggagtaaca gatgataccc ttgttcgttc ccaaaacctc 240
actccattc aatccaccat tt 262

<210> 46161
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701040137H1

<400> 46161

caagggtttc tctgtctgct tcttcacttt ctctcgtttc aatcgaaacc aaaacaaaat 60
catgggcaga aaattcttcg ttggtggcaa ctggaaatgc aatgggacca ctgaggaggt 120
aaagaagatt gttactactt tgaatgaggc taaagtcctt ggagaagatg tcgtagaagt 180
tggtgtgagc cctccttttg tggtccttcc tggtgtaaaa agtttgctgc gccctgattt 240
ccatgtttcg gcacaaa 257

<210> 46162
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701040138H1

<400> 46162

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attccaagtt cattgcgaga ttttctaaag cctggccctg caagtgttga aatcgatgat 120
 caccctatgc aaattgaaga aacacagtac ccgaaaacct ttttctataa agaagacctt 180
 catccaggca aaacaatgaa agtacaattc agcaagcctc cctttcaaca accatgggggt 240
 gttggtacat ggttaaagga aa 262

<210> 46163
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040139H1

<400> 46163

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 gcttgtgttc ttttcatctt ggatgagatg aggaggaaat ctgctgaaaa tggacttaaa 120
 accacaggtg aaggacttga atgggggtgtg ttgttcgggt ttggacctgg acttaccatt 180
 gaaactgttg ttctgcgcag tgtggccatc tgagatgcct aatatattat ttcattattg 240
 tgtaccactt ttcaaactt 259

<210> 46164
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040109H1

<400> 46164

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 tccctcgatc aattcctttc tgggaaaacc tatatctctg gggatcaatt gacaaaggat 120
 gatatcaaag tgtatgcagc tgttgtggaa aagccaggag actcttttcc taatgctgct 180
 aagtggtagc atgccgtctc ttctcaactt gctccaagct tccctgggca cgctcaaggg 240
 gtaagattca gtggcgctgc tgctc 265

<210> 46165
 <211> 260
 <212> DNA
 <213> Glycine max

002220"ETFE960

<223> Clone ID: 701040070H1

<400> 46165

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tattatctta aaaaaaattg tgttattgct gatgatgcat tatagtcttt aactgccatg 120
ttgagagatt gattttttac tgaactctgt attgtagttg cctcgtttag ctgtacataa 180
acatgttcct gtgtctttca taaaccattt tgtaaattaa gtctaattgt tatcaatagt 240
gtgttaattgt ttgaactttg 260

<210> 46166

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701040073H1

<400> 46166

gtaacgcgtt gcgttgctcg aaaatcaccc tcacctgggg ttttagtata ccaatttgaa 60
ggtttttaca tgagtgcagt ggaaacttct gcttgaatca tggaaattta agagcactgt 120
ggaagtctct aggcgatggc cggttcagaa cctgttaggg cagagggaga gactatggct 180
gtggatgctg cccaaggaa gccccggatt ctacttgctg cgagtgggag tgttgctgct 240
gtcaaatttg caaatctttg tcaactgttc tctgaatggg cagatgtaag ag 292

<210> 46167

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701040074H1

<400> 46167

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tgcccagaag acgaagtga tctgtcgggt tggttcatca ggggatgacg attcttatgg 120
atacaataaa agtcggcttc ttgccatgt gatcttcgtt tctaggtagc ttgtttttcg 180
gacatagttt gaagtctcca ccatcatctc gcaacttttg ttcccagaat tgggttcttg 240
atcgacggtg gcaagactcc ttttatcatt ctgttttaaat gtgttggtgt tgtga 295

<210> 46168
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040075H1

<400> 46168

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 tgagggtgaa aacaagagac tcagtgaata gcaagtatgg ggatggacta ctatgggatt 120
 ttggagggttg acaggaatgc ctcagatgaa gagttgaaga gagcctacag aaagcttgca 180
 atgaaatggc accctgacaa gaacccaacc aataagaaag aggctgagat tcaattcaaa 240
 cagatatctg aatcctacga gggttcttagt gatccccaga agag 284

<210> 46169
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040076H1

<400> 46169

ctcgcatcag aatcacaggt tcagtttctg tggattgttg taaaaaattt ccttttaggtt 60
 gaaacttgga gtgccggctc aggatattat gatgaatgga aatggtactc agactgagta 120
 ttggggcgaa agttcgggtt caacttccca tagcagtcag caggatgtgg aggatgacag 180
 gatgattgct cttgtgctgt cagaagagta tgccaaatta gatggagcag ttgggtcggcg 240
 ccttaccaac ttggaacctg ttcctcatgt accccgg 277

<210> 46170
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040079H1

<400> 46170

cactgttgca gaatccagtt tgtgacacca aatccaaatc actattcact atgactactc 60
 agaccaaga cgagcttctt gctcaacatc tcgaacagca aaagatccat gatgatgaac 120

ctgtcgtcga ggatgataat gatgaggaag aggatgatga tgatgatgag gatgacgagg 180
atgatgacca tgccgacgga ctagaagggtg atgcatctgg taggtccaag cagaccagaa 240
gtgaaaagaa gagtcgcaag gcaatgctta aacttggaat g 281

<210> 46171
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701040081H1

<400> 46171

gcctcataaa agcaaagatc aaacaaacca aggacgagaa cacgatgttg cttgaacttg 60
cacttggtat attggttttg gctctgtttc tgcacttgcg tcccacaccc actgcaa 117

<210> 46172
<211> 298
<212> DNA
<213> Glycine max

<223> Clone ID: 701040082H1

<400> 46172

ctacaatcta tgcccatga tgcacatacc atgggtgtgc ttgttaatgc catgagtgtc 60
ctttctgttt ttcattcctga tgcaaatccc gctctcagag gtcttgatat ttatgactca 120
aagcaaataa gagacaaaca gataacacgg gttattggaa agataacaac aattgctgct 180
gcagtttatc ttagaatggc aggaaggcca cccgtgcttc catccaacct cttttctcta 240
cacagagaac ttcctataca tgctagattc ttttggcaat cggtcataata aaccaat 298

<210> 46173
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701040083H1

<400> 46173

gaaatccact gaaggtttcc agtcacttcc ttatgttgct gcactgttca gtgcaatgct 60
ttggatttac tatgctttcg tgaaaaggga aactgccttc cttctcatta ccattaacac 120

atttggaatt gttgtggagt caatttacct ttctatcttc ctaatttatg cccaaggaa 180
 gccaaaggctt acaaccatca agcttcttct cttactgaat gtgtttggat tcggggccat 240
 gcttctatca actctctacc tgtcaaaggg agcaaagcgt cttgctatca ta 292

<210> 46174
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040084H1
 <400> 46174

gaaattcaaa agcaaagcaa gaatcatgaa ttccaatatt tgcacattgg aaacaaaata 60
 cgggtatctt cgcacaacag gaagcaaagc ggggatgaca cttacctctc agctttgaca 120
 ctatgcttca gccgaatctt ccctgcaatc ttgaacgctg ctgttgatct gaatttgctt 180
 gatatcatag ccaaggcaga gagttcatct ttgtcagcct cggaaattgc ttctttgctg 240
 cttccaaatc cacacctca attggccaat aagcttgaac gcatattgcc t 291

<210> 46175
 <211> 56
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040085H1
 <400> 46175

caaagccagt ttgtgtgtcc aaatagaatc tcagtggtaa ccacacgagt cttgcc 56

<210> 46176
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040086H1
 <400> 46176

gcaagtgtag ctggcaatgc atatgagcta ggcttggcta ctgctctccc tcgtctcag 60
 aatcctgtca agtatgctga gagctgcaag tattctcctg tctacagaaa ctataggtga 120
 attatggggc aagtcacttg actttggctg taataaacac atgtcttggt ggcattgtgtg 180

agttgtttta tgtaacttat gcataagtga gtgggttttat gctatttatt atgaaatcac 240
caaaactgca ggtgaagtat gcttttttg 268

<210> 46177
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701040089H1

<400> 46177

atctgtcact ttttactgc tatcgtgggt gctaagtggg gggttcagca atttcgggaa 60
gtcttttgcca tttttaaatt gagcttcctt atctcacagg aaaccaaca ttcaaagcca 120
gaaagtgcac aaagaaaacc cttggagata caccaacagt cacatgcaat gttagtaatg 180
tttataaagt tgtgaaggct aagaacggaa gcatgccact tgccttagca atgctttaac 240
catttgttgt actcgtggga tgcgtgcttg tctgggatta tttgtcgcca t 291

<210> 46178
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701040090H1

<400> 46178

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cttaccacc aatgccacg ccccggtttc caaaccttac gattgcccc aaagagcctg 120
gcacagtga atacaccaac ccatcagagg aactctcatt caagaaattt tcagggttgt 180
caacgagata catgggtctt ctactaagaa gaacaaagag taccaagaga agctaccgt 240
tgttgtgctc agggcagagg atattattta ctctaaagcc aattccgagg ctg 293

<210> 46179
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701040091H1

<400> 46179

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 atgctttaat gggaacttca agagacatag caattggacc cgtggccgtg gtatcgcttc 120
 ttttgtcatc aatgattcag aaattaatag accctgccat tgatccaaat gggatatagaa 180
 agcttggttt cactaccact ttctttgctg gcatatttca agctgctttt ggactcttca 240
 ggttgggggt ccttg 255

<210> 46180
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040092H1

<400> 46180
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 agccaagcta tgtcttcagt ttctctttgt cgctagtaac agaattattac aaagtaacgg 120
 ctttctgagt ggagcgcttg atttcgtttg gtgggtcaac ttcaagtttc gattttgttc 180
 atttttctct cgtcgattga gaaggctcag ttgcagagac agtgggggtg ggacggttat 240
 ggcttttt 248

<210> 46181
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040093H1

<400> 46181
 attttgtaag acatcagatc tcctcacgaa tgctggtgcc caaagccaaa acgcacccac 60
 aaagcagata acgccgtcgt atgcaaccct caaatgaagt gcaagacaca tacctcagac 120
 cttagcagca ccgtcggcgt ctgcgcctcc tgtctaaggg aacgcctcat atccctcgcc 180
 gccgcccagg cccaagccca agcccatcac ccgcaggccc aattaacgcg agtcatctca 240
 cgcgctccg acgattattc cagaaactca gacccgaacc ttcccca 287

<210> 46182
 <211> 289

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701040095H1

 <400> 46182

 canataaaca tatattgaga atggaggggt gtgtgaagaa gttgctatgc cttgttgggt 60
 ttgtggtgct tgtcagtact attggtgggg tggagagtgc tggatgaatgt gggaaatcta 120
 caaccctga taatgaggct tataagcttg caccatgtgc ctcagcagca caagatgaga 180
 atgctagtgt ttctcagagt tgctgtgctc aggtgaagaa aattgggcag aaccctagtt 240
 gcctctgtgc agttcttctc tctaacacag ccgaaatggc tggcgtcaa 289

 <210> 46183
 <211> 73
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701040096H1

 <400> 46183

 ctttgatttc ggttccgaag ggacaaccaa cgaccagcct ctcttctgac tcnattctcg 60
 aaccttcac aca 73

 <210> 46184
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701040101H1

 <400> 46184

 cctcgagtcg aatcggctcg agctcttctt ccattctcta acgctactca gcatcaacac 60
 agtgtcacat ccattaacgt gctctggtgt ttagttagga aacaccggtg gtaaaattgt 120
 acgaagcaga aagaacatgg ctccgtctag caaggctgag aaaaaggctg ccgtggatgc 180
 agctgcatgg atgttcaatg ttgttacatc tgttggaatc atcattgtaa acaaagcttt 240
 gatggcctct tatggcttca gttttgccac 270

09531113.032200

<210> 46185
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 701040103H1

<400> 46185

ggatcatggg gcttcaccaa gtttagccgt tctgattatc tcaagttccc tggtcgtcag 60
aagattattg ttagcaggaa atggaggctt cacaagtta gccgttctga ttatctcaag 120
ttcaagtcag agaatagaat tgtgcccgat ggtgtgaatg ctaagcttct tggttgccat 180
ggaccattgg ccaaccgtga acccggaagg gccttttt 218

<210> 46186
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701040104H1

<400> 46186

tgcactgact cacaccacaca atagtcgggg gcagcttcaa agtaacctcca cattgtttcc 60
tatecttact gttctcttct cttctcatca tttttatttt ttccaatcaa accaaacaat 120
acataagcac cgctcttttc tctccgaaat ccccatctcc cttcaattct gagctctgga 180
cgagatccca gatctcacca tctttcacgc actcttccat ctgattcacc ctttcgttta 240
acgcaaactc ataacttgaa ggtta 265

<210> 46187
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701040107H1

<400> 46187

ctcgagccgc gaaagccttg ttttttctgc gatcattttc cattgggtgg aagaaattct 60
caacctttag tcgaaagagc aaggatctga gtgagtgagc gatcatgtgt ggtggtgcga 120
ttatctccga cttcattcca gcgggtcccg ccggcggggc gcacgcgtga ccgccgacat 180
cctgtggccg aatttgagga agcgtttctc gaagtcgctg ctggacgatg a 231

<210> 46188
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040067H1

<400> 46188

cttagccgag gtcacgagga gcagtcagta gtttcacaat ttccaaatgg ctaggggatt 60
 gacgaagcat ctcaagaggc tcaatgctcc taagcattgg atgcttgaca aactgggtgg 120
 tgcatttgcg cccaaaccct catctggacc acacaaatct agggactgcc ttccccctcat 180
 actcatccta cgaaaccggc taaagtatgc tctgacttac cgtgaagtca tcgggtattct 240
 gatgcagaga catgttcttg ttgatggaca agtcaggcct gacaagactt accctg 296

<210> 46189
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040020H1

<400> 46189

ctagaatgga atttcgatgc tcagtcattct cttttaccat tctcttctct cttgctcttg 60
 caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120
 caaacactcc cattcccact gcactgagag agcttctaaa gcctctccct gcaggtgttg 180
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttcttctata 240
 aagaagacct tcatccaggc aaaacaatga acgtacaatt caccaagcgt ccctatgcac 300

<210> 46190
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040021H1

<400> 46190

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 cttactggct tttgcagcac aaggtcagtg ttatgatggc tgcttggtgac acatttcgat 120

09531113.032200

caggggctgt tgagcagctg cggacccatg ctccaagact tcagatccct atatttgaga 180
agggctatga gaaagatcct gccgttctgg caaaagaagc aagtcaagaa gcttcacgca 240
atgggttcgga tgtgggttctc gttgatacag ctgggtcgat gcagg 285

<210> 46191
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: 701040025H1

<400> 46191

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caccatctca gtcattggcc tgctatcttg tcttaggtct accgacctga gaacaagtgc 120
cagaggaagc gctggcacga caagactcct ggatacgaac aattttcaac gaaacttgat 180
ttcgtctggt ggcaatgaat cgtattatgg gtattttaac aggagatcat acacttcact 240
ttatatggga actggaactg tgggtgggat tacaagtgtc agaatcaggg tgccaaatgt 300

<210> 46192
<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: 701040026H1

<400> 46192

tgttgggttt agaattctca atcttgtttg ggatagagat gtatatagct tccatggtaa 60
ggtctttcaa ggaatacttg aaattgcttg aagctgatat tcaccatgcc aataccctgg 120
cgtcagactt accaaaggaa taagtacggt tgcgagtctt cagatgagaa tgtcatatag 180
tccagcagca cacctgtttc tctttttggt gcaatggaca gactgcaatc ttgccggagc 240
ccttggaactg ttaagaatcc taatatacaa ggtgtatgcg gatgggacaa ctaccatgtc 300
tac 303

<210> 46193
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701040028H1

<400> 46193

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 ttatatcttc atcaagatgc gccgagggag aaccgccgcc gccgctgccg ccgttggtga 120
 tcccacgccg gaccaggcca aggagacgac gcggttccgt gccgtgaggc agcgcccggtg 180
 ggggcgattc gcggcgagaga ttcgagatcc gtggacgaag cagcgcgttt ggctggggac 240
 cttcgatt 248

<210> 46194

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040029H1

<400> 46194

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 gagttctgcg ttccagcttc gacgccttcc ccgtcgacga cgaccacttc gccgccccct 120
 ccgccgctga caccttctcc ggctacggcg acttctctac tttcccctcc gacgatgtcc 180
 ccgtcgacca cgccgccacc gcggcgtcgc cggagatctt cggattcagc gatcccgatc 240
 caggctactc cccgtctccc gtcgagcaag tgcac 275

<210> 46195

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701040030H1

<400> 46195

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 ggaagatgaa ttcatgtttt ctccagcaac aagctcagtt tctgagtcca gtgttgttta 120
 gtgatgtact tggaattcag ttctctgtta tgacttagtg taatcttttc ttaggtctcc 180
 ttattattat tttttttttc aacagaacaa aaaaaaaaaa aaaaaggggg ggctacagct 240
 tatggacttt gaaacccggg aatttatctt cgtgaggg 278

<210> 46196
 <211> 299
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040031H1

<400> 46196

caggcctgag cacagtcggg atgagaaagt gaaggttctt gaatcagtc tccctattaa 60
 tgatgatgag gttgttcttg gacaatatga cggctataaa gatgaccaa ccgtacctga 120
 tgagtctaac accccaacat ttgcaactgt tgttctgcga atacacaatg aaagatggga 180
 aggtgttctt ttcatactaa aagcagggaa ggcactaaat tctagaaagg cagagataag 240
 ggttcaattc aaggatgtcc ctgggtgatat tttcaagtgt aaaaagcagg ggagaaatg 299

<210> 46197
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040036H1

<400> 46197

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 cgtcgtccaa gaagcccctc tccatccta ccttcgccgt gatgatagcg gaggcgatag 120
 cgagtctgaa ggagagaacc ggttcgagcc aatacgcgat aaccaaattc atcgaaggca 180
 agcacaagga gttgcctcca acctacaaga agcttgttct cgttcatctc aagaagtctg 240
 ttgctgctgg caagctcggtt aaggtcaaac actctttcaa gctcgcaccg actaagtc 298

<210> 46198
 <211> 303
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040039H1

<400> 46198

tttgaagga agagagaaag agtttctggt tttcctttca acgatgagaa gtttgatcat 60
 tttgttcgtc cgtcgcttcc gtggctggca gcttccgacc gaaaggtcat caacgggtccg 120

aacgtcgcca acggatgccg cggcaaggag tccaccttcg acctcgccac tcaggggtgc 180
 tgcggttctc gtgtttacaa cctctctctt ggcgagcaat gctgcggtga cagcctcttc 240
 aaccccgta acaacatttg ctgcggtgtc ggatccagcg cccgactcgc ctctgggttg 300
 ggc 303

<210> 46199
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040042H1

<400> 46199
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 ccgtccattc ggagttcgtc ttccggcgcc gctcgtctct gttcccttca ccgcgcacca 120
 agtcacgcgc tgtctagagt ctggagaggc atgactcgga tactgctggg tctgatattc 180
 gaaatacact aagttatgca gttgatgtgt caaagctaca tggtgaagaa aagaagaact 240
 catattcatc aaaagatggc catgatgctg aaaacatatg gtttggagag gc 292

<210> 46200
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040050H1

<400> 46200
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 atttttcaag tgttgttctt actaagttca aggaagcgac aaatcaaaaa gattcaagac 120
 aaggaagcaa gattagaaat gttgatatca attcaggctg ctttttagagc tttcttattt 180
 gtttctttgt agattaatat ggttgattgt gtatgatttc attcaaatta ttgtgaaatt 240
 cttttaat 248

<210> 46201
 <211> 299
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040051H1

<400> 46201

attcaatgcc gttataactca agagattggt catgagcaag gttaacaagc cccattgtc 60
 tttgtcaagg ttgattaagt ataccaaggg gaaggaagat aagattgctg tgggtggggg 120
 caatataacc gatgatattc gtgtttatga agttccagcc ttaaagggtca cagcactcag 180
 gtttacagag actgctcggg caagaattga gaaggcaggt ggtgaatgct tgacgtttga 240
 tcagttgggt ctcaggggtc ctctgggaca gaacacgggt cttcttagag gcccaaaga 299

<210> 46202

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701040054H1

<400> 46202

cgaggatcca ttggagggca agtctgggtgc cagcagccgc tgtaattcca gctccaatag 60
 cgtatattta agttgttgca gttaaaaagc tcgtagtggg accttggggtt gggtcgatcg 120
 gtccgcctcc ggtgtccacc ggctgggtcgc tcccttctgc cggcgatgcg ctccgtgcct 180
 taactggccg ggtcgtgcct ccggtgctgt tactttgaag aaattagagt gctcaaagca 240
 agcctacgct ctgtatcatt agcatgggat aacaccacag gat 283

<210> 46203

<211> 298

<212> DNA

<213> Glycine max

<223> Clone ID: 701040057H1

<400> 46203

cttttctctc tcgttttttc tcaaaaagtt gcaagagtta aagcaaaaac caaagtgaga 60
 gagaaaatga tgaagccatc gatactcaga tctcttcaca ctgccgccac ccgaggcgcc 120
 tcccaacact cccgccggg ctacgcctcc gagccgggtgc cggagcgcaa ggtggccgtt 180
 ctaggtgccg ccggcgggat cgggcaaccc ctctcccttc tcatgaagct caacccctc 240
 gtttccagcc tctccctcta cgatatcgcc ggaactcccg gtgtcgccgc cgatgtca 298

<210> 46204
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040058H1

<400> 46204

gcagaagagg ccgtaacttg tttggttgga acttgaccta tccaagagac gaatatcaac 60
 caaaccatt tattatcaat ttttaaggaat ataaggactc cccttcttcc ccgatgcgcc 120
 tatggctttg tgagcaaccc taatccaccc caaccaacc ctattgaatt gaattggggg 180
 aagaagaaca tagaaagaag aagaaaaatc tgcacaattg ttgtaattga acgatgtctg 240
 ctgcggtgtg cggaagcaag agatctttgt tcgaagagct tcccccttcc cc 292

<210> 46205
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040059H1

<400> 46205

ctcactttca tttctacatc cctggctctg ttccgtcgat gacgatggcg tttagggtgc 60
 gaaaccctga cctccgcttt ctcatctctt tctctctctt gtccatcact tccgccaagg 120
 tcttcttcga ggagcgtttc gatgacggat ggggaaatcg ttgggttaaa tcagattgga 180
 aaacagatga gaacctggct ggggagtgga accacacctc tggccaatgg aatggagacg 240
 ctaacgacaa aggtattcaa accatggagg 270

<210> 46206
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040062H1

<400> 46206

aacagaacaa agggaaggct acaccaacta tcaacagcac atgctttgga tgcataagta 60
 gttgaaggaa gctgctcgcg ttccggggcaa aaagaataat gcatctgctg aaaaattacg 120

aagttatgag tccattacta tgatTTtgta gatgagTTta ttaaggTTtc ctaggggatcc 180
 ataaagatta tgatTTtctc atgctcgcgt tcgggccatg attgtcataa acctcaatga 240
 ggtTTaatgt acttattact tatcgtatc aacacta 277

<210> 46207
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040065H1

<400> 46207

cttttctctt ctctgtctca ggggtgccct gagatcacat tgaacaatgg tgaaggctgt 60
 ggccgttctt ggcagcagtg aggggtgtcac tggaactatt cacttcgttc aggaggaag 120
 tggccaacc accgtaactg gatctcttgc tggctttaag cctggctctcc atggTTtcca 180
 tgtccatgcc ttgggggaca ctaccaatgg ttgcctctca actggatcac atttcaatcc 240
 taataacaag gagcatgggtg cccctgagga tgagaatcgt catgctgggtg atcttgggaa 300

<210> 46208
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040066H1

<400> 46208

agcgaagagg cgcacgtcag cagtaactcg tggaattgct agcaatggcg aggatcaagg 60
 ttacgagct gaggcagaag acgaaggctg atctgttgaa tcagctgaag gacctcaagg 120
 ccgagcttgc cttgcttcgt gttgctaagg tcaccggcgg tgcacctaac aagctctcta 180
 agatcaaggt ggtgagggtg aacattgccc aggtTTtgac ggtgatttct cagaagcaga 240
 aggccgcgtt gacggatgcc tacaggaaga agt 273

<210> 46209
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040019H1

<400> 46209

caaaaagaga gagtggaaaa gatggcgcggtg ttgatcacag tgggtgtggtg cgcggtggcg 60
 gtgctattat gcgccgcggc cggtgcgtcg tgggtggagg aggcggcgaa cccgatacga 120
 atggtgtctg gcgtggaggc ggaggtggtt cgggtgatcg gggagtgccg gcgtgcgtcg 180
 aagtttgcta ggttcgtgag caggttcggg aagagttacc aaagcgagga agagatgaag 240
 gagaggtacg agatattctc gcagaatctc aggttcaccc gctcccacaa caagaagcgt 300
 tt 302

<210> 46210

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 701039980H1

<400> 46210

cttaaacctt tctctcttgt aaactttatt gattgattct gagaatagaa ctaagagggt 60
 atagacatgg ctagcgcaat tgcagcttct tttttggttc tgcttctggc tttccccact 120
 gtat 124

<210> 46211

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039981H1

<400> 46211

ctcaccatga ctttcaagcg caggaatgga ggtcgcaaca aacacggccg cggccacgtc 60
 aagttcattc gatgctccaa ctgcggcaaa tgctgcccta aggacaaggc tatcaagagg 120
 tttctggtga ggaacattgt tgaacaggct gcagtcagag atgtgcagga ggcttgtgtc 180
 tacgaacaat acacgcttcc gaagctgtat gtgaagatgc agtattgtgt ttcctgtgct 240
 atccactctc atgttgtgag ggttcgatcc cgcactgata ggag 284

<210> 46212

<211> 257

<212> DNA
 <213> Glycine max

<223> Clone ID: 701039982H1

<400> 46212

ctcgacctag aggctctgat gatggatatt caagcgattc ggtgctaaaa cacgcatcca 60
 gtgatttcaa gaaaatgggg caaagaatat ttatattcat tgttggtgga gcgaccagat 120
 ctgagcttag gatatgccac aagcttactg gcaagctgaa gagggaagtt atactaggct 180
 cgtcaagtat tgatgatcct gcacaatata tcacgaaatt gaagatgctg acagcacagg 240
 aactttcatt ggatgat 257

<210> 46213
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039983H1

<400> 46213

ccgctactct catctcttca cttcccttct atcactcttc tcacttctga gatacttgta 60
 cgaaaagaaa gcagcactta cttctgaaaa attcttttgc atcagtttagc atgggagatg 120
 aaaagccatt tgacttecta cgcattttat ttgagggcgt tattgcagga ggtacagctg 180
 gagttgttgt tgaaacagct ttatacccaa tcgacacaat aaaaacacgt ctgcaggctg 240
 ctgcggagg agaaaaacta atattgaagg gcctttattc cgga 284

<210> 46214
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039984H1

<400> 46214

caaaagttca cccccaagca ctaaattcct ctaccacttg caagcaagag acgtttaccc 60
 tatggatgaa atctctggta ctgaacggaa agggatgcac cgtgtttgat tcaaattggcc 120
 aaattgcata ccgagttgat aactacaact gcaggcatag agatgaagtt catctcatgg 180
 atcaaaatgg cgatatatttg ttcactatgc tgaaaaagca atataagttg tccaggtttt 240

002220"032200

gggaggggta tagatttcca gttccaggaa caaggaatga cc 282

<210> 46215
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039985H1

<400> 46215

gcagttaaga agaaacgggg taggccgagg aaatatgggc ctgatgggtc agtcactatc 60
gcagtgtcac caatgccaat ttcgtcgtcg gtcctgcctt ctaatgactt ttcctccggg 120
aagcggggga aaatgcgggg gatggactat aagccatcaa aaaaagttgg tttggattat 180
ctaggtgact tgaatgcatg ctctgatggg acaaatttta tgccgcatat catcactgtc 240
aatgctggcg aggacatcac gatgaagggtg atatcctttt 280

<210> 46216
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701039988H1

<400> 46216

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gagcttggtg taccgcgagc tcccatctag ttatagccca aatttgtacc ttaggggaac 120
aacacttgta tagcgggtgga aataagtgca tttgtagata ggtaggaaca ctcttttcgc 180
accagttcat ttaacctcca aaaaaaaca ccacaaaaca acaaaagaag catcagaacg 240
agtggagata ggtcggggcg ccccccccc ccgttttttt t 281

<210> 46217
<211> 97
<212> DNA
<213> Glycine max

<223> Clone ID: 701039991H1

<400> 46217

gttgatttag taccagattt ctgtgcctaa gtaagagaga gaggggctgg tagttgttg 60

caccagatcc ctcagcagtc acaaccattc attcctt

97

<210> 46218
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039992H1

<400> 46218

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aattaatagg actccaactg aatcgacgga agtttcacag caaaagcatt acaaggaaga 120
acattctcag ggagtgggtgc atccaagaaa tggtagtcat ggttctgggc ctgctcaaca 180
tgcttatcca tattatattt caggagttgt taatcacgtt atgatgccat catcagcaca 240
actgtatcaa aagaatatcc 260

<210> 46219
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039995H1

<400> 46219

atgagtcgta gatctgtacc tgcctatgca ttgatttgga aaagtccaag cttcaaagta 60
tgaactaaga cttcaatagt ggatgctctt agagaagcga tctcagtaat catgactgat 120
tccaaggaaa agaacaggaa ttttgtggag accattgaac tccaaattgg gctgtaaaac 180
tatgatcccc agaaggacaa gcgatttagt ggctctgtta agttgcctca cattccgcgc 240
accaagatga agagcagtat gcttggtgat g 271

<210> 46220
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039996H1

<400> 46220

ctcaccgatt gctagaatgg aatttcgatg ctcagtcac tcttttacca ttctcttctc 60

tcttgctctt gcaggagaga gccatgtcca tgcacgcta cctgaggaag attattggga 120
 agctgtttgg ccaaactc ccattccac tgcactgca gaccttctaa agcctctccc 180
 tgcaggtgtt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240
 attcttctat aaagaagacc ttcattccagg caaac 276

<210> 46221
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040001H1

<400> 46221

ttgcaacacc gcgatatgaa cgatgcaaaa tagtttcaga tacgtcgcgt tgattgattg 60
 atatgaagtg gttgactttc tggaactgca tatctatcct cgtgttgtct tttgctttct 120
 tcttcttcta ttgtcacaca tacacatcta ctcttccct catggctgag caatcttcca 180
 agtccattta cgatttcaca gtcaaggaca tcagtggaaa tgatgtgagt ctgaataatt 240
 acagcgggaa ggttctactg attgtgaatg tcgcctcaca atgtggtttg acacagacaa 300
 attacaaaga 310

<210> 46222
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040007H1

<400> 46222

tgggaattct taactgtgag gcagaatatt tcaatgccaa cccatagac tatttacatt 60
 tagccttaag gtggactagt tcctattggc ttgacacatg aagggtggctg cacggaaaga 120
 gtgccacaag attttactat gagctacctt catcccatga gaagaggagg ccctgatctg 180
 caaaattggc cctcaccatt taatatgcca aatagcacta tggagataaa caagaatgac 240
 ctactcaaact actggcctga tctgagaact gttaatttta ttgcgtgcaa ttcattatgg 300
 a 301

<210> 46223
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040010H1

<400> 46223

cgagattact ctctctgatg gaaaatcatt attagcttgt attgttcgca ctattccagc 60
 tgggtggccga attcgaatta gttcaacgct ccctaataagg ctgggcaaga cgcttgcacc 120
 tcgacattgg cactgactaca aaaggaagta tgggaagctg gatgattttg tggctagcca 180
 ttctgaatta ttcttgattg aggggtgacta tattcagctc cgtgaagggtg cacagaaaat 240
 cgttgctgca actgcagcag ttgccaaagt tgctgctgct gctgctgctg catcaactcc 300
 tt 302

<210> 46224
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040011H1

<400> 46224

ccgatgagag ggccggccca gtagatccag tggaattgct gggcttatct acgaggttgt 60
 cttcatcagc cacaccacag agcagcttcc cagcactgac tactagaggg gacaaatgaa 120
 ataataaaaa aaaaaaatgt gtattattga atttctccgg aatcttcttc tgtgtatggt 180
 tttccttcct ttgtgttttc tttcctgttg aatcggtggc cgttgatctt tggttggatg 240
 gttgatgatc ctgaagtttt cttttaagtt aatttaatta tcattttgtg c 291

<210> 46225
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040013H1

<400> 46225

tcggattcgg ctcggtcga gcgaatcggc tcagatcaca cataatataa ttccacaatc 60
 actcctatac ctatagcaat atgatgggag acactgagat caaacatca gttgaagtag 120

tcatatgtgc ttccatgaac aataacaata gcgcaaacia ccacaccctc ccaaccgaca 180
 tcaccaagtc atcacaatca cacttaccaa tcttgaccaa gctccatgct ggttactttt 240
 tcatatgcct ttccttttgt gcacaagttt gctctggaag a 281

<210> 46226
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040014H1

<400> 46226

ctgcctacaa aaccataaag ctgaagctat gctacgcgcc cattagccaa aaggaccgcg 60
 cgtggagaaa gaccgaggac gagctgaaaa gggacaagac ctgccagcac aagatcgtgg 120
 ccaaacccta cgacgcttcc aacaagaccg tgcagagggt cgagtggctg gtcgagcgcg 180
 acgtgcccac agccacgtac tttgtacgcg cctacgcgtt cgactccaac gacgaggaag 240
 tggcttacgg ccagaccacc gacgccaaga agagcaccaa cttgttcgag atc 293

<210> 46227
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040015H1

<400> 46227

caaaaacgaa cagtgtgatt cttcttgccg tagatctatt ccattttgcc attcatccat 60
 ggccgacgaa ttcaaattcg ccgacaaagt ccttccttcc ttcgatcacg tggtacatt 120
 aattttggat tgccatttca agagcatcat attcaaactg gttgtggtat tatgtctatc 180
 atagtctatg acgatcctga caaactagct ctgatcactt atccagattt ggctctaaat 240
 tatatatcat ggtttcaagg actatttatg tccagaag 278

<210> 46228
 <211> 303
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040016H1

<400> 46228

gcgttggggg gattcctgta atccatcata tgggtgcatta tctgattatc agttcatgcg 60
gccacgtgca cgggacaaga agcttgttga agaatgggca gttcccttga aaagcattga 120
agatatatat gagaggctta gactgtattg tcttggaag ttgagaagca atccttggtc 180
agaactagat ggtcttcagc cagagacaaa gataataaat gagctgctgg aaaagattaa 240
cacaaagggc ttcctcacca tcaatagccc gccagctgtc aatggggaaa agtcagattc 300
tcc 303

<210> 46229

<211> 304

<212> DNA

<213> Glycine max

<223> Clone ID: 701040017H1

<400> 46229

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ggtttttctt tcaccgtctc cgttccttca atcttcttat tctctttcat ctctgatgga 120
gacgttgagg gtttagttct aaggggtggg tctggccttg ggtttttgga acgtacgggtg 180
tcgttttggg gttgggaaaa caaattctga gagatggcaa ccacgaaccc ttttgatttg 240
ttgggtgacg acgctgagga cccttctcag ctcatcgacg ccgagcaact caaggcggcg 300
gctg 304

<210> 46230

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701040018H1

<400> 46230

ctattaagtt tcatcaatgt tgtgtccata tttttctagt ttctcctaaa aaaaaataca 60
tcaaaagagg ctgatttctt caagcaacaa actctgtacc aaatcatcta cagctagttt 120
agctcaaata attttcaatt cggaagaaa aaaaaagtcc tttccaaaat ttcattgtca 180
tccatcatca agaagatata aatcatcaca ggcaaagtgc tgttattact agaattgcat 240

002220 "FTT550"

tacacaggct taagggcagc tatgaagatg tac

273

<210> 46231
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039979H1

<400> 46231

gctacccgct gagtttaagc atatcaataa gcggaggaaa agaaactaac aaggattccc 60
ttagtaacgg cgacatcaac acccgccaga ccatcaccgt cctcgctctc aacaacgccg 120
ccttctccgc cgtcgccgcg aaacaccccc tctccgctcg caagaacctc ctcagcctcc 180
atatcctcct cgactacttc gacaacacaa agctccacca gatcaccaac gggaccactc 240
tttccaccac tctctaccaa agcacaggta atgcca 276

<210> 46232
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039935H1

<400> 46232

cacaatgatt atccgtatcc cattcctccc ttgcctatcc ttcgtttact ttttctttgc 60
tgggcatttt caattctcag tgcatgtctg ntgcctttga gactggttta gataaattaa 120
ttgcttactt tcaatttttc tacagacaat tctgactagg aagaatacta taactggaat 180
tgaatataga aatgacccca ccatttttgg ttgggaatcg attaataaac ctcggtgcct 240
aactgatcct tctggtgata ctctccaaga ttggataga 279

<210> 46233
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039936H1

<400> 46233

002250-ET1250

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 caaactttca aatctcaccg tcccaaaaat tcttttttgg ttaccattt gacttttagcc 120
 tctgcaacag agtctcagat ctctgcattc caattcccat ggctggtcgc tatgacagta 180
 accccttcga tgaggaagaa gttaaccctt tctctaattc tggaagtgtt cccgctgcc 240
 ctaattcaag gcttcacact cttagccag aacctgttga ttat 284

<210> 46234
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039939H1

<400> 46234

catcgagag agagagagat ccacgatca attaatctac aatggccgat caggctcacg 60
 acgaacagat ctctgagctc aaggacagct ttagcctctt cgacaaggac ggcgatgggt 120
 gtattaccac caaggaactt cggactgtga tgcggtcgct tgggcagaac ccaactgagg 180
 ctgagctgca ggacatgata aatgaggttg atgctgatgg gaatgggtacc attgatttcc 240
 cagaattcct caatctcatg ggcgcgaaga cgaaagacac tgattcagag 290

<210> 46235
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039940H1

<400> 46235

acttcctcta attgacaccc agctaaacca tggcttccca cttcctcaaa tccctccttc 60
 tcctcttcca cctatgcctt caccatctca ggagaatata caggcttcgt gggaacacta 120
 gacccaaagt ccagtaggca tatcaccagc aagaacaacc ctgaagccac tgtcagggtt 180
 ctactgtgca cgaagtcttc agcggagaaa accccacatc ggtagaatc attccctcac 240
 tcccaaata caacgcaacc acaaccttcg gctccgttgg aatctttgac acccc 295

<210> 46236
 <211> 284
 <212> DNA

<213> Glycine max

<223> Clone ID: 701039942H1

<400> 46236

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ccctaacgcg tgcatagcag agtcagagac agagacgcag ccatagggcg gagacctgcg   60
aggtgttata ggcaaattaa gaacaagcca taccccaagt cacgtttctg cctggtgtgt   120
cctgatccca agatcaggat ttatgatgtt ggtatgaaga agaaggggtg tgatgagttt   180
cctttctgtg tccatctggt tagttgggag aaggaaaatg tttcaagtga ggccctggaa   240
gctgctcgca ttgcttgcaa caagtacatg gccaaatttg ctgg                       284
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<210> 46237

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039946H1

<400> 46237

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cagaatcaaa gcattttgtg ttgataaatt cagtaaagtt gtggaatgga ctcaaccact   60
atccaccatt ccatgcactg tcagagatgg caattcccac tgttgctcac tggtcagaga   120
agtacaacca tgtgatcaag gccatgactc aaaagggtta cagtttcgtt gggatatctac   180
ctttgattcc cattgaagag atagccaagg cattcaagca gggagaggct aacttgaaag   240
gagataatgc agcctctgag gaacagagat cagaatca                               278
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<210> 46238

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039948H1

<400> 46238

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gcaaaaaagc ggagaacttt aagaagaatt tacacgagaa agggattctt cctgcagaga   60
ccattcaaga tcgactgaag aatttgattg cctcgtcccc tgtgatgctg ttcataagag   120
gtatcccaga tgcaccaaga tgtggtttta gttccagagt tgctgatgcc cttcgacaag   180
agggcttgaa ttttgggtcc tttgatatat tgactgatga ggaagtgaga cagggttgga   240
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aggtatactc aaattggcca acctatctc aactctacta caa

283

<210> 46239
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039955H1

<400> 46239

gtgccattgt tgcaggcagc tctcccccaa ggaattgtcc catttgtctt ttcgaaggac 60
 tatgatgtac atcctgatat tctcagcaca gctgttattt ttgggatgct gattgctttg 120
 ccataactc tagtgtacta catcttggtg gggttgtgaa tgaaagaaat gatggatgat 180
 acagaagatt cacgtgtg 198

<210> 46240
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039957H1

<400> 46240

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 tcgatgactc ttttggtggt gcctctctta aggcttattt ggcagagttc catgcaactc 120
 tgattttcgt gttcgtggt gttggttcag ccatcgctta caacgagctt acaaaagatg 180
 cagccttga tccaacgggg ctggtggcag tagctgtggc ccatgcattt gcaactgtttg 240
 taggtgtctc cgtcgcagcc aacatctcgg gtggccattt 280

<210> 46241
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039958H1

<400> 46241

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 caatcacaga gggagtgaac aacatcaaca tctctgattc ttacaagaag aatcgcattc 120

aggtctccaa caccaaaaag cctctcttct tctacgtcaa tctcgccaag aggtatatgc 180
 aacagcataa tgaggttgag ctctcagcac taggaatggc tattgctaca gtggttactg 240
 ttgctgaaat cttgaaaaac aatgagcttg ccattgaaaa g 281

<210> 46242
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039961H1

<400> 46242

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 tgcagatgaa ctgcaatcca aaatgaagaa ccttgtagtt gatgattgac taagcagttg 120
 cagtcttctt tcatgttctg ctgcgcaagt aactctctg acagtagagg gtttttagac 180
 cattttattc gtagtagttt atgtaactat taagacgcat caatttgaca gcagtcaatt 240
 attgagggga cataaaatgt ctgcaatatt tatcgaaa 278

<210> 46243
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039963H1

<400> 46243

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 gccggcgagc ccttactctt cctcctccg tcgagccctc tccgattcga atcgttccca 120
 gcctcgcacc accatgaatc ccgaatacga ttatttcttc aagcttttgc tgattggaga 180
 ttctggtgta ggcaagtcac gtcttctcct gaggtttgct gatgattcat accttgacag 240
 ctatatcagt accattggag tggactttaa aat 273

<210> 46244
 <211> 166
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039965H1

<400> 46244

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 tttcttacgc tagcaacagc agagttaatg tatgtgtagt cttgtttttt tggattgatg 120
 tactttttca ttgttatgct caatttaatg catttttcct ctcaaa 166

<210> 46245

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039967H1

<400> 46245

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 gcgctgatta ccagaaggcc gttgagaagg cgaagaagaa gctcagaggc ttcacgcgtg 120
 agaagagatg cgctcctcta atgctccgtt tggcatggca ctctgctgga acttacgacg 180
 tgagctcgaa gaccggtggt cccttcggaa ccataaagca cccctccgaa ctcgctcacg 240
 gcgctaacaa cggtcttgac atcgctgtta ggcttttgga gccactcaaa 290

<210> 46246

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701039970H1

<400> 46246

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 tgggagcgaa caagtttccc gagagacagc caattgggac ggcggcgagc agccaagacg 120
 acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180
 catggtcggt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
 tcactgtctt aaccgttatg ggagtcgccg gggctaagtc taagt 285

<210> 46247

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701039971H1

<400> 46247

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 ggatcagact accaattaca ttcaaatgga tcaagcactg tcagtagccg tagtgcaggg 120
 cacactaaac agagtcagcc agattcaaca aatagaaatg ggagcagaac taaggacagt 180
 gaatcacgta atgaaactga atgggctgaa caagatgcac ctggtgtata tatcacactc 240
 acctcccttc cgggtagtat aatagatctt aaga 274

<210> 46248

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039972H1

<400> 46248

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 cccctggaca aaatcaaggt cccatttatg caagctttga ttcacattcc tgttcgtttt 120
 tccttcgcac cttttcttct tcttcgctcc gtgccatgct ttcctctctc gctcttcctt 180
 ccaactccctt cttcgccaat ggaacaagaa tcttcgctct caagcactct ctccttcgct 240
 ctagggtttc catgagcgct tccgctggat ctcaggcttc c 281

<210> 46249

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039973H1

<400> 46249

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcactg tcttaaccgt tatgggagtc gccggggcta 280

<210> 46250
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039974H1

<400> 46250

cccatgttgt gggtttgaac tcttacagaa gttttgaagc aggggtgcaa cctgcaacaa 60
 ccacagggga ggttcaaaca gttaaacagg gttatctgtt aaaacgatca tcaagctcac 120
 gtggagattg gaaacggagg ttctttgtac ttgataacca aggaattta tattattaca 180
 gagtgaaggg tgtcaaacc atgggctctc agtcatataa ttatactcgc tcgtctgaac 240
 caaaacagtg gcatgtttgg tagattccgt 270

<210> 46251
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039975H1

<400> 46251

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 atcaacctct tgaaccgcca aggagtgttc acttctgacc aggacatcgc gggcagcccc 120
 aaaaccaagg aaatcgtgaa ccagttcgct tcagaccaga aactgttttt taagaaattt 180
 tccgatgctt ttgtgaagggt gagccagcta gatgtgataa cggatcgtat tgggaaaggg 240
 gagattcgtg ataagtgctt tgttgcaa at aagaga 276

<210> 46252
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039977H1

<400> 46252

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 atagacatgg ctacgcgaat tgcagcttct tttttgggtc tgcttctggc tttccccact 120

002250" ETTES6

gtatttggag ctgaccatga agttggtgac actagtggat gggccctcgg agttaattac 180
aacacctggg cctctgggaa aactttcaca gttggtgaca ctttgggtgtt caagtatgac 240
tccactcatc aagttgatga ggttgatgag agtggataca acagctgc 288

<210> 46253
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039978H1

<400> 46253

gaagatggag atgtatcaga tctggagcag gagaatagcg ttgggagcgt tcgcgtttgt 60
tactgttttc ctatcggcct cagcagacga cgtcgtttgt ctctctgaag ataacttcga 120
gaaggaagtt ggtcaggaca gaggagctct cgttgagttc tatgctcctt ggtgtggaca 180
ctgcaaaaag cttgtccag aatatgaaaa gcttggtagc agcttcaaga aagccaaatc 240
tgttttaatc ggcaaggttg actgtgatga gca 273

<210> 46254
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039934H1

<400> 46254

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cgtatggaca tggtgagaag ctagctagag agatagaaaa aggggctgct tctgtggagg 120
gagtagaagc aaaactgtgg caggtacctg aaacattgcc tgaagaagtc cttgctaagt 180
tgggagcacc tccaaagagt gatgttccaa ttattactcc caatgagctt cctgaggctg 240
atggcttttt gtttggtttt cccacaagat ttggatctat ggcc 284

<210> 46255
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039888H1

002220"ETTE660

<400> 46255

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gccactgttg aggttgcaca gcaaacacca acaactgtga cagagaatga aacaacgact 120
gacgtaacca agttgaggaa actaccccag aacagccagc caccgaggtt actgccccag 180
aaacagtcaa cgaagaagca aaagaggaag cagcagttgc gactaatgag gcaactcacg 240
ttacagagga cgggaaggct gagaaaaca 269

<210> 46256

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039893H1

<400> 46256

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tcaccactct ctggtcaaaa ccatgcactt tctttcccat catcaccatc accaccacct 120
aagcttcaga acgtcctctg tatctcacca atttgccctca tttgccccaa aggttgaaac 180
tttccttcgc cggcgggacg gcggagatgg ggtgggacgt ggtggcggtg gcggtggcgg 240
aggtgaaagc tgggggtgatg aag 263

<210> 46257

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039894H1

<400> 46257

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ccagctcacc gacgaccaga tcgccgagtt caaggaggcc ttcagcctct tcgacaagga 120
cggcgatggt ttattactac taaggaactt gggactgtga tgcggtcact agggcaaaac 180
ccaactgagg cagaactgca ggatatgatt aatgagggtg atgctgatgg caatggaacc 240
atcgacttcc cagagttcct caacctga 268

<210> 46258

<211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039901H1

 <400> 46258

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 caatggccga ccagctcacc gacgaccaga tcgccgagtt caaggaggcc ttcagcctct 120
 tcgacaagga cggcgatggt tgtattacta actaaggaac ttgggactgt gatgcggtca 180
 ctagggcaaa acccaactga ggcagaactg caggatatga ttaatgaggt tgatgctgat 240
 ggcaatggaa ccatcgactt cccagagttc ctcaacctga tggctcgcaa gatgaaaga 299

<210> 46259
 <211> 293
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039904H1

 <400> 46259

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 gacttcgatt gcaccgcaa gcaagtcaca gagtccatag cgaaggccaa ataagccggc 120
 gctgccatta ggctcggacc cgaactcgag attcctgggt atggctgcga agaccacttc 180
 ttagagctcg acacagttaa ccattacatg ggagtgcctg aaagatttac tgcttggaga 240
 ttggactgat ggcatttgtg gtagctttgg catgcccgtt atcaaaggct ccg 293

<210> 46260
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039909H1

 <400> 46260

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 ttcgccacca cgcagcagcg tcggactttg gaccaaact gtcggaaggc cgaggctact 120
 ggtgcgtgtc cgagcgggtca cgagcgacga cgagtggggg ccggagaagg aggaggcgta 180

002220.032200

cggcggcggc gtagcggagg aggagaaacc gacgaatcgg gagacggaga cggagaagct 240
gaagaaggcc ttggtggatt cgttttatgg caccgatcgt ggactg 286

<210> 46261
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701039910H1

<400> 46261

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ttctcattca ctctgcccc aattccaaat cccattccc taaccctaac cctaaaaccg 120
aatctttctca tgaaacctcc cagccacac tctccgtat cagaatcagg ttcgattccc 180
taaccctcca caaatcgctt tcttctcttt gcagtttctc catggagggc tctgcagagg 240
atttcggagc ccccgagtca tgggaggtcg ctgatttga cgagtccatg 290

<210> 46262
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039911H1

<400> 46262

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cttgttatta gaactgatgt atttacttgt aaaagatgaa gcagggtaaa caattccttt 120
ggctttaact atcatggaaa tgagccatta ggagtgggat agttgagttt ggggtggtttg 180
cttgaggta taaaatcaaa cctcagcttt gccattgtac acgcacaaaa aaaaagggtac 240
tatattgaaa tagaaagtgt gtatgttgta ttgtattatg ctgga 285

<210> 46263
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039912H1

<400> 46263

00531113.032200

0953113.032200

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ttgatgatat tggagcttta gaaaatgtga aggacacctt gaaggaattg gttatgcttc 120
ctcttcagag gcctgacttc ttttgcaaag gacagctgac caagccttgc aagggaatat 180
tgcttttttg gccccctggc acaggaaaaa caatgcttgc aaaggctgta gcaactgaag 240
ctggagcaaa tctgcataac atttcaatgt ccagcattac ttcaa 285

<210> 46264
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701039913H1

<400> 46264

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tttggttttc agaccacaaa tacaaagttc acaagtgtgt gtaaagattg aagaagaaaa 120
tgaccgtaga gaagaaaatg aatgattccg gcgacgagtt tcccgtcgga atgcgtgttc 180
tcgccgtcga cgatgatccc acttgcttat tggttctgga aactctcctc cgaagatgtc 240
aatatcatgc aaccacgact aatcaagcaa taaaggcggt ggcgct 286

<210> 46265
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039914H1

<400> 46265

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gctcttcatg aggctcccat ttaggtctaa aggattacaa aaatgaaaac ataaaaacta 120
ggaattaaga gcaaaaaaat agtagcgtgt ttctttgttt attatttttc catatgtttc 180
caatatactg tccccgagta ttatttaaca cgtacaatgt aacatttggt cgaagggttt 240
gtttgcgggt tgattgtcat tgtagtgtga aaatttggtt gtg 283

<210> 46266
<211> 282
<212> DNA

<213> Glycine max

<223> Clone ID: 701039915H1

<400> 46266

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 ggagtttcgg actcatcgcc tccgattcaa aaccctaact cggacctcaa actcaatcga 120
 ttcatataca catggctctc gtgctgatat ggaggactat ggatttgagt actcagatga 180
 ggagcaagag gaacaggatg ttgatattga gaatcaatat tacaattcac caggtttggg 240
 cgaaagtgct ccagaagggtg cacttgctgg ttttgctgag gt 282

<210> 46267

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039917H1

<400> 46267

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 tgcgagtcac tgagttgaat cggataggaa tctgagtttg tgatcgtttg acacgggtcat 120
 ggggtgctgcy ggctccaagc tcgagaaggc tctcgagac caattccccg aaggagaacg 180
 ttactttggc ctcgagaatt tcggcaacac ttgttactgc aacagcgtct tgcaggcact 240
 atactttctgt gttccgtttc gcgaacaatt actagagtat tatggaaata acaa 294

<210> 46268

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 701039918H1

<400> 46268

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 cagaatcagt gacaccacca gctgggtgctg gtccttcaca ggctcctcca gctgctgagg 120
 ctgaacatgt tcatgaggct ccaaaggatg tggctgagga gaaatctgta attccagtgc 180
 cttcttctga tgacaacctg atgggtc 207

<210> 46269
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039919H1

<400> 46269

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 tttcagcttc atcacccttc tttcgcacatca tttatatctc ttgagaaatg gcacaagaaa 120
 cctttctatt cacatctgaa tctgtaaacg agggtcaccc cgacaagctg tgcgaccaga 180
 tctctgatgc agtacttgat gcgtgccttg atcaggaccc tgacagcaag gttgcctgtg 240
 agacatgcac caagaccaac atggatcatgg tcttcggaga gatcacaacc aa 292

<210> 46270
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039920H1

<400> 46270

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 tttgcgtcgt tgtgagggtt aacgagacga tgagggcgct gtttctgttc ttcgttctct 120
 tctctttcag ctatgccacc gaacaaatct ttctgtctca tatcggtagc attttcggtg 180
 gtggcggtgg tggccgctct cgcgaaacca aatacaagat cgaatttcat cccgaagatt 240
 ccccttttca ccctgatgat gatcaggaat ctatagtcac gccggataaa 290

<210> 46271
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039921H1

<400> 46271

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 gatttgtatt cttatccaaa tggaggatct tacatagatt gcatgacagg aatgagactc 120

tatattacag agttcttatt gataacatca aagagtttgc tccaataatc tataactccta 180
 cagttggggtt agtgtgtgaa aattattccg gggtatttag acgcccgcgt ggaatgtatt 240
 ttagtgcgaa agataaagga gagatgatgt caatgatcta taactggcca tctgatcagg 300
 tag 303

<210> 46272
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039923H1

<400> 46272

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 gatgctgatt gctttgccca taactctagt gtactacatc ttgttgggggt tgtgaatgaa 180
 agacatgatg gatgatacag aagattcacg tgtggcatcc atgcaaagct tggttgaggt 240
 tgttgagaat gagagaaaaa aaaggtcata aagcaacaat agaaaagaa 289

<210> 46273
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039925H1

<400> 46273

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 gggagaagag aagttttgtg caaaatcctt gggaacagta attggttttg ccatttcaaa 120
 gctgggaaag aacattcaag tactttcaag ttcctttgtc aataagcaag accaatacac 180
 tgtggaagga gtgcagaatc ttggagacaa agcagtgatg tgatcataggc taaatttcag 240
 aactgcagta ttttactgcc atgaagtccg tgaaacaaca gctttcatg 289

<210> 46274
 <211> 286
 <212> DNA
 <213> Glycine max

0953113 032200

<223> Clone ID: 701039926H1

<400> 46274

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caccacacagg cacaagtctc tccaactcaa cttcttccac tctcactaat ggccctcacc 120
aatgctttcc tcgctccttc cttcgccgtc cacgggtgttg gtagggtttc cgatccgcgc 180
tccattcttc tcttctctct tccctccgac gccttcttcc gctccccaac ctccctctcc 240
agggacaaga actttctaaa agcttctgct tatgatttga atgcag 286

<210> 46275

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039927H1

<400> 46275

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tcaactctta tccccttctt tgattccaat tctccgcact tcatttcatt tgaattctga 120
aaaattagga ttaggggtttt ctttctttca gtgaaaaaag aagaagaaga aaaaagtggg 180
tttgagaaaa tgggtgagca atcgggtgctg gtgctcgaaa agcaagggcc aaatccagt 240
ttatcagaag gaatccacga ttgggtgttt gagggccatg ggc 283

<210> 46276

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039886H1

<400> 46276

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acgtgccaac ttcgtctacg tcgccaagct cgccgaacaa gccgaacgct atgaagaaat 120
gggtggaagca atgagaatgt ggcgaactaa acgtggactt gacggtagag gagcggaacc 180
ttctgtcggg tgggtacaag aacgtgggtg gtgctcgtag ggcttcgtgg aggattcttt 240
cctcgattga acagaaagaa gaagctaaag g 271

<210> 46277
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039835H1

<400> 46277

ttcaaacatt cactccagtt ctctctctct ctcttggttg tctcttctgg aacagaatgg 60
 cggtggtact taaagacatg tgtttcttca acaacaagga cattctgggt ataaagcctc 120
 agaagaaatc accactgttg taaggatgtc ggtgttgatc ttctcaatgg tgtgtgggtg 180
 tttcatttgt tccgtgtgtc taaagcagat aagcactcat gcacggacta tgcttatgga 240
 gttgcaaatt gagaagcctt ctcggagtag tagtagtaga 280

<210> 46278
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039836H1

<400> 46278

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 ctgtcccagc cattacattt ctcatggcag tcatactcag gatcgaccaa gtgctggctga 120
 tccgaaagga tgggatatcg aggtggcggg atcgatatc tgtgtggctg gggcaacggt 180
 gattacacta tacaagggtc caacaatata tagccccact ccacctctac acagtgagag 240
 acccatcata gttgactttg gaacactctc actggga 277

<210> 46279
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039838H1

<400> 46279

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 ggtgaaaggc ccaggcctct actctgacat tggcaagaga gctcgcgac ttctgttcaa 120

ggattatcag aatgaccaca gttcaccatc accacttaca cttccaccgg agtggaaaatc 180
 ccttcaactg gagtcaggaa aggtgagatc atatttggcc gatgtcagca ctaaggtgaa 240
 gaacaagaac atcacaactg atgtcaaagt ggacact 277

<210> 46280
 <211> 86
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039840H1

<400> 46280

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 cgctctgcc aggcacatcg tcttac 86

<210> 46281
 <211> 86
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039842H1

<400> 46281

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 cggggaaggc cgcggagagg cggaag 86

<210> 46282
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039847H1

<400> 46282

cggctcgagg aggatagtga tctttgtctt cgccaacaac atcgctccact tgaacaaaaa 60
 atcaaaaaga ccctgaaata tctgaactta aaagccgcac tttttatttg ttgtgtgtga 120
 gattttgatt tgagggaata tatcttgaat ctgcggcgag gctggcgagac tatcgcggat 180
 tgtgtcatct gctgcgaagc caacaggcca aagagagcgc taccagatc gccaaccgt 240
 gtggcgactc ctggaagtgc gaa 263

<210> 46283
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039851H1

<400> 46283

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 tgggttggat tccctgttct ggaagttcaa acagtaagaa gaagttgaag aagaaattgg 120
 agaagatgga agcgcagaac gcctacgttg atccgatcaa agccacccca gggaaattga 180
 agaggaattc atccatgaat tccaaagagt cctccaaaaa tggaaaccct gagcacattg 240
 ctgcacagac attctcattc cgtgaattgg caactgcaac 280

<210> 46284
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039852H1

<400> 46284

cagaaatgtc ccaagtgagc cagttggtca catgcataca acatcacacc aacagcgtgc 60
 atttgacaac gatcagaagt ctgagcattc aaggggggga tcaaaaccag ctgatgggtct 120
 gctgattgac gaccatgaaa ggtgttaciaa acttctcaga cacatctgac agatattcaa 180
 gcaaaatctc atagtgggtc tgctagaagt tgcactaaag ttcacaagaa ggggattgag 240
 ctcggtaggt cagtggacct cacaaaattc agtgatta 278

<210> 46285
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039858H1

<400> 46285

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 agctacagat aattgggaca tcaactgaagg ggtgcaattc agtggagaag tatgctaagt 120

gcaagagaat ggtttcgagt atggaccctt ggtttttgac aatgcagaga aattcctgga 180
gagcacagat atatgcactg ccatatatgc catgcaaata ttcaacagtg gctgggcagc 240
aaacctttct ttcagattct tatggaaaca 270

<210> 46286
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039859H1

<400> 46286

ggagagagaa gagcggaaga gaaaatgacg cccaggttca agaagaacag gaagaagaga 60
ggtcacgtca gcgccggaca cgcccgatc ggaaagcaac gcaagcatcc cggaggctgc 120
ggtaacgccg gtggcatcat caccaccgta tctcttcga caagtaccat cctgggtttct 180
tcgggaaggt aggcattgcg tacttccaca aacttcgcaa caactttctac aatccgatca 240
tcaacatcga caagctgtgg tccctcctcc ccc 273

<210> 46287
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 701039863H1

<400> 46287

aagaagcttg ttctcgttct tctcatgaag tctgttgctg ctggcaagct cgtaaggtc 60
aaaaactctt tcaagct 77

<210> 46288
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701039865H1

<400> 46288

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cttgctcatg cagctgctgt tcgtgtgtac aagaccaagt accaggcatc tcaaaatggt 120

002250"CTT250

gtgataggca taaccttgta gctaattggt ttttgccgct cagagatacc aaatctgac 180
aaaaggctac agacagagca tctgacttca tgtatgggtg gtttatggat ccattaacat 240
ctgg 244

<210> 46289
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039866H1

<400> 46289

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ctaagaggaa gaaggtttgg gtggactatt ttgttcagtt tcgatggatc cttgttattt 120
ttgtgcgtcc ttcccatccc ttcaccattt atttccttac ataccttggg gctgtaagat 180
ctgagtggaa gtcctataag acgcgtcaga aggaacatga tgagaatgtg aagaaggtta 240
tcaaacgtct cacacagagg aatccatca 269

<210> 46290
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039867H1

<400> 46290

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ggcatggcac ctcccacat gggccagcag ccgccgaac agtaccagca gcctccgccg 120
cagcagcagc aaccctagtc atgatgccgc cgcaggccca ggccccgcag accatgtggg 180
ccccctccgc ccagcctccg cctcagcagc agcccagacag cgccgacgag gtccgaaccc 240
tctggatcgg ggatctgcag tactggatgg acgag 275

<210> 46291
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039868H1

<400> 46291

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 ccgtcgcaac acgatcacta tttctgcgac gatggtggca cattcgagtt cttggggcag 180
 ggcactcgtg gccatctcgc cctatacctt ctctgccatc ggcatcgccg tcgctatcgg 240
 cgtctccggt ctcggcgccg 260

<210> 46292

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701039869H1

<400> 46292

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 catatgagta gggggaaaaa aaaattgtac acagaaatac agaattctat actatcgcaa 120
 t 121

<210> 46293

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039870H1

<400> 46293

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 aatcccaact tcaagtaccc atttttcgtc atttcatgat ctaggtgata gatcgtgaaa 120
 atgacaagga tgaccatgat tttggggata ctatgcagac agatgcagtg ccggtggtgt 180
 cggccgatgt aatatttgct tctcttcggt ttctaatta ccaaategga gttaataatc 240
 agatcatgga gacaaaggat gatcc 265

<210> 46294

<211> 272

<212> DNA

<213> Glycine max

002220"ETTES60

<223> Clone ID: 701039871H1

<400> 46294

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cttcttgggg tgataggaag ttcattctcag gtactgggtt atgcaggcat tagctacagt 120
tctccagcac ttgctcatca attggcaatc tggtaacctgc tttcaccttc atccttgccg 180
taatttgcag gatggaaaag ttagctgcca aaagtagaag tagtcacgct aaggtgattg 240
gcagcataat atcaatagca ggtgcatttg ta 272

<210> 46295

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039872H1

<400> 46295

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aaacataaaa gaacttaggt ttttgatgtg ccagtcaccc cctgcacgct cagccacaag 120
ggcttttggtg gaaagaatta taaggaacta aagacattga acccaaaatt gcccatatta 180
atccgtgagt gcagtggagt tgaaccccaa ttatgggcaa gatcatgatt tgggtgttga 240
gaaaggcatc acattggaag gcttgtccga ggc 273

<210> 46296

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039873H1

<400> 46296

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gattgggatt gggattggaa tcagcgaccc catgcgacct cagagaacgt cgatccacgc 120
cgtcacgaca tggtagggcg acaccccaa aggtgaaggc ttttctcgcc gtcgtttccg 180
gcatggcggc cctcgctctc cttcgcttca tcgtccacga tcacgacaac ctcttcgctcg 240
ctgccgaggc tgtccactcc ctcgga 266

<210> 46297
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039874H1

<400> 46297

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 gtgtgtttca actatggcta tcatcgtcgt ccatccattt ccgctctctc ttgttattcg 120
 aattccatca ccaaacaac ctaaaactca gttcgcaatg tttctccaac tcgaattcgg 180
 tagccccgat ttattgccgc aagtttggtg ctcgcacttc aattggagaa aacgagagcg 240
 agagcgagaa ggagttaggg ttcgtggg 268

<210> 46298
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039875H1

<400> 46298

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 ctgattctga gagatatttt gttccgaatc agtgtcacct tccattgact gctgaagaca 120
 aaagaaaagt tgagccatgc tacttagatg ctacctgaa agggaggtac cacaatggag 180
 gttggagcta cagttgattc tgcaaagagg agtaaagttt gagattgaag ccttatctgt 240
 gcacgcactt tcattcttgt cagagtct 268

<210> 46299
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039876H1

<400> 46299

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 tgtaagcatt ggtagtcta gtcccgacct taaaaatctc cactttaatt tctgactttg 120

taaaacatcg ttccaatggg ctttttcgat gtaaaattat agagttaa at gaagtggaaa 180
 aaaaaattac attttggg 198

<210> 46300
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039878H1

<400> 46300

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 cgttgcagtt ataatggctc cattcagcgg cgatgagacg gcaccgtttt tcggcttcct 120
 tggagccgca gctgcctcgt cttctcctgt atgggagctg cctatggcac agcgaagagt 180
 ggcgtgggcg tggcttcgat ggggtgatg agaccggagc tggatgaa gtctattgtc 240
 cctgttgta tggctggagt ttg 264

<210> 46301
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039834H1

<400> 46301

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 tactcagtaa ccaatcttga gaatttaaaa gtggtggtat gtgatgaaga gacagctgct 120
 tcatgggaag catttgaagc tagcttccaa atctgaagtt agaggttcct cgagttgagg 180
 ttaacttaaa ctggcttcat tcaattagct cttaagacat gtctgtcttc atggaaagca 240
 tttgaagcta tgctttccca atctcagttt gaggtcc 277

<210> 46302
 <211> 86
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039880H1

<400> 46302

002200-032200

ctaaaagaga aaaatgcatg ccatcatcat caaccattcc tggtcctgat cctaaatagg 60
gtaggggttt atgcaatcga actcca 86

<210> 46303
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 701039882H1

<400> 46303

ccccttacca cagttaacat agcaaagagt atgaactgac ttggggatac cccataaaat 60
tggaagtaaa cttt 74

<210> 46304
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039885H1

<400> 46304

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tatcagtgt tgtgcattgt gacataaggg gaagtgaagt tattctggga gacaattccc 120
acatacacat ttagagaatg gcggcattgc aacccttgga ggggtgcatc caagaacagt 180
tagaaacaat gaagatggaa ccatggacat tcatttgatt gaggctgcca tcagagatcc 240
aaagggggag ctagtatatc caaccac 267

<210> 46305
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039792H1

<400> 46305

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gggaaatagt gaggagaaca aggagctggt gtttagtggt cagaggaccc tcaaaacaat 120
tactagagtt gagttagagg tacttttcca ggctgagagg tccaatgatg aatgttgtga 180

tttgaaagtg aaggggttccc ctttcaagag atcatgttgc atatataaac atgttgattt 240
 ggtggcacag agtagcctga tgta 264

<210> 46306
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039794H1

<400> 46306

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 aatatcaatt gacaccttgg cgttcagata tgaacccatgc taatgttgcc acacaatcac 120
 aacctcactc gattgggtgca cctttgacaa cttcaaataa aaatggcctt gaactgggtac 180
 ctcagcatat gtactctcaa gtaaagcctc aggtctctgt tgatgctcag gcaggcactg 240
 aaccggatct attgggtcgc cac 263

<210> 46307
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039795H1

<400> 46307

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 cgctcctgaa gcacctcttc tcgcggcgga tcccgccccg atccgtgacg tacatgcacc 180
 ggccggggcga tgggtcgccg cggccggtga cactgatccc gggcgacggg atcggggccga 240
 tgggtgactgg cgcggtggag ca 262

<210> 46308
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039796H1

<400> 46308

002220"ETTES0

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atgttcaact cctgaggaag caactcgagc tcttggtgag atgaatggta aaatgtttgc 180
tggaaaacct ctgtatgttg cccttgacac gagaaaagaa gagagaagag caaggttaca 240
ggcaçaattt tcacagatga gg 262

<210> 46309
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701039804H1

<400> 46309

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aggccttgtc tttgagggcg gtcatacact agaggattta gcaaatgctg tttcagaagc 120
ctgcatctgc cttcagcaca acaacatacc tacaatgtac ttatttcaga ttgtggaagg 180
caaatatttc tcttaccaca gtgctatgca gagaaacaag cccttgagaga agtgagtcct 240
gagcttctgg agaccaagt gaatcctgct gtgtgggaaa ttagtgggc. 289

<210> 46310
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701039805H1

<400> 46310

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gtgaagatag atagttagca gacttggtcg accctgagca ggaggaataa gaataagatg 120
cctccttatg attgtatgtt tctgtttaag cccatataag gaaggaagct gtcattggatt 180
tagttgtgag ggtgggaaag catgtgtgca gaagaaatgg ggttgtcact gatatcaaga 240
gtctcggaag agttcagttg ggctatggtg tgaaaaagct agatggcaga 290

<210> 46311
<211> 290

<212> DNA
<213> Glycine max

<223> Clone ID: 701039806H1

<400> 46311

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ccctcaccta taacagaact cgtcaagcat caatcaccac tgaattgata gagattatct 120
ctggagcttc agcactggaa ggtaattac ggagagcaat ctgtgtaata tattcaacag 180
tggcgcgata ttaagataat atcgttggat tcttttgaaa tttgttgggtg tcattttttt 240
aatcttactt gacttctgtg ataagtgttc caaggtcaaa cccattgtgg 290

<210> 46312
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701039807H1

<400> 46312

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ccatatcata agggtagttg caaattgcaa tggctaagca tgatgttgag ggtgggttct 120
tctctgcaaa ggactaccat gatcctcttc agcaccgttg attgatgctg aggcaactcac 180
acagtgggcc ttctacaggg ctttgattgc tgagttcatt gccacaatgc tcttccttta 240
catcacagtg ctactgtga ttggttacia gagccagagt gatgtaaa 288

<210> 46313
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701039811H1

<400> 46313

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tttccgagtt ccgactctgt taatcattct ccgttaagat tctttcttct ttctcttttc 120
cactcttggg cttatcttct tcacaatcca caaccactcc ttgttataaa tcagatccaa 180
acatggccga agaacaccga tgccaagctc ccgaagggtc cagactctgc tccaacaact 240

gcggcttctt cggtagcccc gccacaatga atctctgttc ca

282

<210> 46314
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039812H1

<400> 46314

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 aaagcgattt agagatgttg gaaatccaaa gaaagcacct gaggagaata actatcatgt 120
 gcagaacatt tctcaggtga caaaagtga ggggtcaatt ggaagaatac taaaattgat 180
 gataatccca gtgagcaaca gtttagccac gaaaagaaca ggggatactc tgaccagtgc 240
 accgcatttt tatcaaactc tcctcctacg gcaaactatg aaca 284

<210> 46315
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039813H1

<400> 46315

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 cgagccgaca accgcgctct gatcggcgag tccagcgcgg tggctgctct ggttccgctg 120
 ctccggtgca gcgatccgtg gacgcaaac acgcggtgac ggcgttgctg aacctgtctc 180
 ttctggaaga gaacaaggcg cttataacga atgccggtgc ggtgaaggcg ctgatttacg 240
 tgctgaaaac aggcacagag acttcaaagc agaacgcggc gtgcgc 286

<210> 46316
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039814H1

<400> 46316

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attcctgtaa tccatcatat ggtgcattat ctgattatca gttcatgcgg ccacgtgcac 120
 gggacaagaa gcttggttgaa gaatgggagcgt tcccttgaaa agcattgaag atatatatga 180
 gaggtttaga ctgtattgtc ttggaaagtt gagaagcaat ccttggtcag aactagatgg 240
 tcttcagcca gagacaaaga taataaatga gctgctggaa aagatt 286

<210> 46317
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039815H1

<400> 46317

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 actccttcaa acgccaatta aacacggcaa tagcg 95

<210> 46318
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039817H1

<400> 46318

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 gacaaggaaa ggaaatgcct tgggtgaaatt ggcgaagtgc tcaaaggatt atgagcctgc 120
 cattgagaca tacc 134

<210> 46319
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039818H1

<400> 46319

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 aatgctagac atcaaaggct acctcgact cttcttcta tggttcatat caaccattct 120
 gatacgttcc atcttcaaga aaccacacgt ctaagactcc caccgggtcc tccaatttca 180

atacccttgc tgggacacgc gccatatctc cgttcactgc tccaccaagc attgtacaag 240
ctatcactgc gctatggacc cttgatccac gtcatgatcg gttcga 286

<210> 46320
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039819H1

<400> 46320

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tgctttgccc tacaaaagga cacctccagc tggctcaaga tctcttcgca agatgtcgaa 180
gaaaatatct gcaagtttgc gaagaaaggt ttgaccccg ttcagattgg tgcattctc 240
agagattctc acggtattgc tcaggtcaat agcgtcactg gcagc 285

<210> 46321
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039820H1

<400> 46321

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tcgcttcgca caatgtcttc ttcgagagcg tttcgatgac ggggtgggaaa atcgatgggt 180
taactcagat tggacaacag atgagaacgt ggctggggag tgggaaccaca cctctgggtca 240
atggaatgga gacgctaata acaacggtat tcaaaccagt gagg 284

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<211> 284
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<213> Glycine max

<223> Clone ID: 701039821H1

<400> 46322

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 tgataccatc ggcgacctga agaacttgtg gcggctcaga ctggcacaag agccgacaag 180
 atccgcatcc agaagtggta caccatctac aaggatcaca tcaactctcaa ggattacgag 240
 atccatgacg gcatgggtct cgaactctac tacaactaaa caca 284

<210> 46323
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039827H1

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 attactatatt gttgacatgt ccaagcttga gaggattata aggaagcatc ttgaggatgt 180
 cttcgagaag gacagtggag tagctcctgg cataacttca ctcttcttcc atgactgctt 240
 tcctaatagga tgcgatgcgt ctatattgtt gaatggaga 279

<210> 46324
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039829H1

<400> 46324
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 cccttt 126

<210> 46325
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039830H1

<400> 46325

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 tgaactaatt atcctgaagg ccattagtga cattgtctat gtaaataaat tagttctctt 180
 tcgctcttct ggttacgggt gcttcaagac tgcagcataa cttaaaaact cgtatcatat 240
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<210> 46326

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039833H1

<400> 46326

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 atggactggg aatttttcac tgacaccttg tactacgcag agtatgataa cacaggtcct 180
 ggttcaaaca ctgccaaccg agtcaactgg cctggctatc atgttattga tgctactgat 240
 gcagctaatt ttactgtctc taacttcttg gttgggaatg a 281

<210> 46327

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701039791H1

<400> 46327

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 gctggaattg ctggccttac aacatcctta ggacttcaca agttgggtat cagaagtttg 180
 gtgttagaat cttcagacac tttgagggc actggggttg ctttgtcaat atgggaaaat 240
 gcttggcagg cattggatac tggt 264

002220"ETTFE560

<210> 46328
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039736H1

<400> 46328

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tgttcaaagg aaaccctgca gcagtgtggt tcttagaaga gaagagggac aaaaagtgg 180
tgcaaggagt agctgcagag ttcaatctat ctgtgacatg ttacttaact cgcacagcg 240
agtcccatgg aacaacctct taccctcgtt ttgatctcag atggttc 287

<210> 46329
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701039738H1

<400> 46329

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aacgtcaagg ccaagatcca ggacaaggaa ggaattcccc cggatcagca acgtctcatc 180
ttcgccggaa agcagctcga ggacggccgt accctcgccg actacaacat ccagaaggag 240
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<210> 46330
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701039739H1

<400> 46330

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gatgattgtc atcccgttc aggttctcgc caatttggct tccgttgtga tcggggaaac 180

aggtcctttc atctaagact gggttacttg gaatcagggtt ttcttgcttg tggatattat 240
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<210> 46331
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039741H1

<400> 46331

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 gtggaagatg gtcatgatca ccataccac caccaccaa aaaaacactg gcctccaacc 180
 acacaaaatg aaccttcaaa cgtagaaaac aaggagaaca ctgaggtgga ggatgggtcat 240
 gatcatcacc atcactaccc acctaaaaaa cactggcctc 280

<210> 46332
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039742H1

<400> 46332

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 gaccctttta aggggtgcctc tcttaaggct tatttcgcag agttccacgc aactctgatt 120
 tccgtgttcg ctgggtgttg atcagccatc gcttacaacg agcttacaaa agatgcagcc 180
 ttggatccaa cggggctggt ggcagtagct gtggcacatg catttgcact gttttaggt 240
 gtctccgtcg ccgccaacat ctcaggtggc catt 274

<210> 46333
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039743H1

<400> 46333

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 gcacttagtt tgtgttcctt gtcttgcttc tcactcttgg ctgtgttttag caagagtaaa 180
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<210> 46334
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039745H1

<400> 46334

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 tcgtcgaaac ccaactcatc gcgcacgaca aagaggctta cgacatcgca tggggagagg 180
 tcagagtctt cgctccgtc tccgccgacg gctccgttag aatcttcgac ctacgcgaca 240
 aggagcactc caccatcatc tacgagagcc cccaccc 277

<210> 46335
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039747H1

<400> 46335

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 ctgggcagat ccgctaaaaa gcaagcgcca cg 92

<210> 46336
 <211> 64
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039751H1

<400> 46336

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ccaa 64

<210> 46337
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039752H1

<400> 46337

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taggagaatc gctgagtcta ggcctcaaag gagacatcaa catgccagca gaagaacaaa 180

actcatcatc aaggcctctc cacagcaaca acaacacagt attctcatgc aacttctgca 240

tgagaaagtt ttacagctca caagccttag ggggtcacca gaa 283

<210> 46338
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039758H1

<400> 46338

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ctttctctgt gtagcttctt tcgttctctt tttcactctc tccctctgcc tttgaatttc 180

tgtattttgc aacatggcca gcgacgaagc atggagaacc tctgaagagc agaacgagtc 240

aaacataatc ggcactagca tatcgccc 268

<210> 46339
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039766H1

<400> 46339

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catggcggttt tgtacagaag tagaagatgt catctcgatg agtttgacag tagtttcttc 180
ccttcttgaa aagtatgca ttgatcctaa acaaattggc cgtctggaag taggcagtga 240
gactgtgatt gacaaaagca aatccatcaa aactttcatc atg 283

<210> 46340
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039768H1

<400> 46340

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ttctatgggt taaagtga aa tccgaatccg aatctgaatc tgaatctgat ccaatcattt 180
tcatgttagg gcgtgcgatc tccaatcaag cgcggttggt tttaggtttc attttggttg 240
gcgtgtgagt cgtaggggggt ttcgaagagc atagaataat 280

<210> 46341
<211> 126
<212> DNA
<213> Glycine max

<223> Clone ID: 701039771H1

<400> 46341

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aatggg 126

<210> 46342
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039773H1

<210> 46345
 <211> 266
 <212> DNA
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 <223> Clone ID: 701039778H1

 <400> 46345

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 tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaaag 180
 tgacaagaca gttggcgggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240
 tggaaagcac gtgccacgtg cagtgt 266

<210> 46346
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039779H1

 <400> 46346

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 tatattaaat tctgggctgt gagtatatta gaacaaatgt ccttcgcgag tatagttcgt 180
 gcagtaaggg ctggatttgg aagcctatca aggaggagtt ttgacgtaag gcttcctggc 240
 cataacaggg gcaagtcacg tagttt 266

<210> 46347
 <211> 279
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039782H1

 <400> 46347

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 gcgcgagaca tcatggcttt gggaacgggtg actcgacggt tcgggaataa actcttgccg 120
 gcgttatctc cttctcccag gcttctacat tctcagcca ccagtttcgg gttcaaacaa 180

gtaaacgtcg aagaaaaggc tcgcatgggt ggtgacgtat tcacgagcgt tgcttcaagc 240
 tacgatctca tgaatgacct aatgagtgtt ggtttgcat 279

<210> 46348
 <211> 273
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 <213> Glycine max

<223> Clone ID: 701039784H1

<400> 46348

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 gatataattat atcatatcac aatttgtggc atacttgctg tgcttggttg ctctgattca 240
 tctcaagcca aaagggttcg cgtccttgag ctt 273

<210> 46349
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039785H1

<400> 46349

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 tttgaggtta ttttcttcac ggatccagtt gatgagtact tgatgcaata cctgatggat 180
 tatgaagaca agaagttcca aaatgtgtcc aaggaggggtt tgaaacttgg gaaagattca 240
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<210> 46350
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039786H1

<400> 46350

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cctgcgctgc gatggctgcc atgtcagagt tggggcttcc ttcgatggcc cggccttgat 180
gggttcttca ggcttttcgt ggttgtgctt ctgtggtcta cactatccga gcttcgcttc 240
ataccctcat cttctatgta cccaccctt c 271

<210> 46351
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039787H1

<400> 46351

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ctgctggtgc tgatgttagt atgattggac agtttggtgt ggggttctac tctgcatatc 180
ttgttgctga gaaggtcatt gttacaacca aacacaatga tgatgaacag tatgcttggg 240
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039735H1

<400> 46352

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taagcaatga tgctcagtag caacaccctc tttcccacct tctctct 107

<210> 46353
<211> 264
<212> DNA
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<223> Clone ID: 701039790H1

<400> 46353

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 aattttctat tttctcctct catggcttca gattccaaaa aggatttccc tgctgatgac 180
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 gcagaacaaa gagccacagt actt 264

<210> 46354
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<210> 46355
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039688H1
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<210> 46356
 <211> 155
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039689H1
 <400> 46356

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155

<210> 46357
<211> 144
<212> DNA
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<223> Clone ID: 701039690H1

<400> 46357

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aagtttccta ttgggagttt taat 144

<210> 46358
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: 701039691H1

<400> 46358

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actacctt ccatcttcta accttcttct cctatttcgt cgttcgcagc tccgcaacct 180

aaatcttagc gcctcatctc a 201

<210> 46359
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701039692H1

<400> 46359

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ctgaagcata cgtaacgagg aagctctaca agg 93

<210> 46360
<211> 143

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701039693H1

 <400> 46360

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 agctttcttca ggtaacagta ata 143

<210> 46361
 <211> 142
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039694H1

 <400> 46361

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 ttgacgagaa agatacttcc ggaggaaaag tgaaagggca gggaactggg acagtccttg 120
 ctgtaactct tggtgccgtg ga 142

<210> 46362
 <211> 291
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039704H1

 <400> 46362

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 agagacgcat cgcagtttcc gtcaagtaac atgtttgctg cggccgggga gggatatatgg 180
 gacaatggtg ccgcgtgtgg gaggcagtat caggtgcgct gcatcagcgc tgccggcaccc 240
 aggacttggtg ttcttgggcca gacgcttcag atcaagattg ttgatcgagc g 291

<210> 46363
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039705H1

<400> 46363

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caagtgggtc ggacgtgat tccagcaaca agcggctggg gctcgactg tatgacgcc 180
taaactccgg cgactccgac gccgtcgtca agatcgctgc cgccgacctc gagtgggtgg 240
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<210> 46364

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 701039706H1

<400> 46364

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<210> 46365

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039708H1

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ttgagggcat tgataataat aaactacagc acctcatatg cccgccttca aaatgtttca 180
gttttttagga atttgaccaa cttgagaagt ctctggcttg aaaaggtttc catccctcag 240
ttatcaggca gtgtcttgca aaacttgggc aaattatttg tagt 284

<210> 46366

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039710H1

<400> 46366

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 gtttcaacag agacagagcc ggagactaaa aagataaaac gcattcgccg cggcggggac 180
 tcgagcaagc accctttgta ccgcggcgtg cggatgcgga actgggggaa gtgggtgtcg 240
 gaaatccgcg agccgaggaa gaaatcgcg atatggctag gcacattccc 290

<210> 46367

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039711H1

<400> 46367

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 tcaaagcacg agtccaagtc caagtacggc gaacacatga agcgcgagga cctcgtcatc 120
 aacaaatcca agaaggacaa ctccggcgac cagatctacg ttttcttccc cgacgaaccc 180
 aaggtcggcg tcaagaccat gaagacctac accaaccgca tgaactccga aaacgtctac 240
 agagccatcc tcgtcaccca gaccaaccta cacccttcc g 281

<210> 46368

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039712H1

<400> 46368

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 gtgatgagga ggaaaaagct attgaggaat ttagaaatgc tttcaaggat caaaatttcc 180
 caccaggctc cactgttttc tacaacaat caccactgg aacattgggg cttagtttct 240
 cgaaagatga gacaatacca gaacatgagc atgcagtgat 280

<210> 46369
 <211> 278
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039714H1

 <400> 46369

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 cagaatggac ttctttacta gagacataaa tgaggactct atgcttagat gtccattctt 120
 gaggaacatc aatgagccta ctaacttctc attcttttca cctttggctt taccaatgcc 180
 ttttcgtgga gctaaaggtc caatttttga agatgggtccc aattttgatt tggcatttag 240
 gctttccac gggagtgatg gtgtagtacc cttatctg 278

 <210> 46370
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039715H1

 <400> 46370

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 tgctagacat caaaggctac ctcgtactct tcttcctatg gttcatatca accattctga 120
 tatcttccat cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa 180
 tacccttgct gggacacgcy ccatatctcc gttcactgct ccaccaagca ttgtacacgc 240
 tatcactgcy ctatggaccc ttgatccacg tcatgatcgg 280

 <210> 46371
 <211> 85
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701039716H1

 <400> 46371

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tcatttcaac tcaatatgaa gaaaa

85

<210> 46372
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039717H1

<400> 46372

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ttggggctgg tgggtgctggg aaggcacttg cttatgggtgc aaaagcaaaa ggagctaggg 120

ttgtgattgc aaaccgtacc tatgaccatg ccagaaaact tgcttatgca attggaggag 180

atgcttttagc ccttgctgat ttagataatt accatccgga ggatggtatg attcttgcaa 240

acacaacatc aattggactg caacctaaag ttgatgagac gcctg 285

<210> 46373
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701039719H1

<400> 46373

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tttgctgggg cggaagcaca accgttgact agtctcaaac ttaactctca tattcttcag 120

gagtctactg ctaaagagat taatgaaaat cccgaggcag gatgggaggc tgctataaat 180

cctcgtttct ccaattatac agttgaacaa tttaagcgcc ttcttgaggat caaaccaatg 240

cctaagaagg aacttagaag tacacctgct atatctcacc caaagacgtt gaaa 294

<210> 46374
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701039720H1

<400> 46374

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caaagaagat gggctcacta gaaagatcaa agaagaaagt ccttctatgg aagacggcca 120
 tgctccattt ttctctatgt tttgtgatgg gggttttcac aggcttggct ccaacaggta 180
 aatcttctct cttttccacc acagtttagtg tcccaaatag aacagaattt gcaccacaac 240
 ccagtgaat gttacacctc acaacaaatg tcactagaag ttggatagct 290

<210> 46375
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039721H1
 <400> 46375

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 aaggtggcaa ctgaacttaa gaaggctata atgcaagcta ggatggacaa aaagcttact 120
 cagtctcagc ttgctcaact gatcaatgag aagcctcaag tgatccagga gtatgagtca 180
 gggaaggcca ttccaaacca gcagataatt agcaagttgg aaagagctct tggagctaaa 240
 ctgcgtggca aggactaagt tgtaactaat gtcatggttg tgcattgt 287

<210> 46376
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039722H1
 <400> 46376

ctgcgatcca aacagaacag gctcctcggt gactggggta acaactcaga ctcttgaagt 60
 ggagtgggtc tggtcggaac agtatgcagt tc 92

<210> 46377
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039726H1
 <400> 46377

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atcgcaaatt tccttagagt aactggtctt gatagaccct acagggagga gctactctcc 120
 aaaatggaag ctgatggcga taaggctact aatgacataa tttttgctcc aggaaagaag 180
 aaatatagat tctgtaagca tatatcaaag caacggttac aaggtttgac agatgatctg 240
 atgaagaaag gaaagcactt cattctgata agaaat 276

<210> 46378
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039728H1
 <400> 46378

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 tatttgcttc ctcgttagct gccactacag aatcaagaaa agatacaggg gaatattgga 120
 aaatgatcat gaaagatcag gaaatgccag aaggacttca aggtcttggt tcatttcaat 180
 ctgaaaataa ccctaagact caagagcagc ttggtaaagg ttccaaaaac cactgtgaag 240
 agtctctagt taaaaatata caagttaata gtgacttc 278

<210> 46379
 <211> 125
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039686H1
 <400> 46379

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 ctttcattgt ccattcaata attcaaacac cagttaatgg ctacccttct attccaccac 120
 aattc 125

<210> 46380
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039729H1
 <400> 46380

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aggcaaaaac accaaatggg agaggaaaaa gagcagccta agaataaaac cgagaagaag 120
cccgaggagg ccgccgcagc cccaagaaa gacgacggac ccatccctgt cgtttacaag 180
ctcgcttgc attgcgaggg atgcgtcaag aagattcaac gcacatgtcg ccacttccaa 240
ggtgtggaaa ccgttaaggc agatctatcg tcgaacaaa 279

<210> 46381
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: 701039730H1

<400> 46381

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acttgaaac tgccaagacc agttcagctg tt 92

<210> 46382
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039731H1

<400> 46382

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ttgcctgctc cttctgctta tttgcgtctt tggcttttgg acgcgatttc tccattgtgg 120
gctattcatc ggaggactta aagtccatgg ataagtcac tgaactcttt gaatcatgga 180
tgtcaaaaca tggcaagatt taccaaagca ttgaggagaa gcttcttagg ttcgagattt 240
tcaaggataa cctaaagcac attgatgaga gacac 275

<210> 46383
<211> 278
<212> DNA
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<223> Clone ID: 701039643H1

<400> 46383